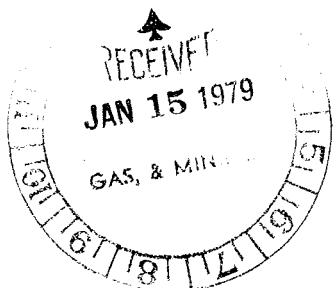




# SHELL OIL COMPANY

1700 BROADWAY  
DENVER, COLORADO 80202

January 11, 1979



Subject: Spacing Exception for  
Brotherson 1-23B4R  
Section 23-T2S-R4W  
Duchesne County, Utah

Utah Oil & Gas Conservation Commission  
1588 West No. Temple  
Salt Lake City, Utah 84116

Attention Mr. Cleon Feight

Gentlemen:

As previously discussed with your office, we are requesting administrative approval to drill the captioned well at the location shown on the attached survey plat and application for permit to drill. Since the drilling of the original well and subsequent field development; construction of roadways, buried pipelines, overhead power lines and topography preclude locating the well within the prescribed tolerances. ✓

Your early consideration will be greatly appreciated.

Yours very truly,

K. W. Lamb  
Sr. Engineering Technician  
Rocky Mountain Operations Office

KWL:ts

Attachments

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL & GAS

5. Lease Designation and Serial No.

6. If Indian, Allottee or Tribe Name

7. Unit Agreement Name

Altamont

8. Farm or Lease Name

Brotherson

9. Well No.

1-23B4R

10. Field and Pool, or Wildcat

Altamont - Wasatch

11. Sec., T., R., M., or Blk.

NW/4 N/4 Section 23-  
T2S-R4W

12. County or Parrish 13. State

Duchesne

Utah

1a. Type of Work

DRILL ☒DEEPEN ☐PLUG BACK ☐

b. Type of Well

Oil Well ☒Replacement  
Gas Well ☐

Other

Single Zone ☐Multiple Zone ☐

2. Name of Operator

Shell Oil Company

3. Address of Operator

1700 Broadway, Denver, Colorado 80290

4. Location of Well (Report location clearly and in accordance with any State requirements.)

At surface  
747' FNL & 2380' FEL Section 23  
At proposed prod. zone

14. Distance in miles and direction from nearest town or post office\*

15. Distance from proposed\*  
location to nearest  
property or lease line, ft.  
(Also to nearest drlg. line, if any)

747'

16. No. of acres in lease

640

17. No. of acres assigned  
to this well

640

18. Distance from proposed location\*  
to nearest well, drilling, completed,  
or applied for, on this lease, ft.

\*

19. Proposed depth

12,650

20. Rotary or cable tools

Rotary

21. Elevations (Show whether DF, RT, GR, etc.)

6270' Ungr. GR

22. Approx. date work will start\*

1/20/79

23.

## PROPOSED CASING AND CEMENTING PROGRAM

Size of Hole	Size of Casing	Weight per Foot	Setting Depth	Quantity of Cement
See Attached Prognosis				

## Attachments:

Survey Plat

Drilling Prognosis

\*Brotherson 1-23B4 is located 1985' FNL & 2131' FEL. Well will be temporarily abandoned and held for possible use as a salt water disposal well.

APPROVED BY THE DIVISION OF  
OIL, GAS, AND MINING

DATE: Feb. 2 1979

BY: C.B. Fright

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

Signed

Title Sr. Engr. Tech.

Date 1/11/79

(This space for Federal or State office use)

Permit No.

43-013-30483

Approval Date

Approved by

Title

Date

Conditions of approval, if any:

## DRILLING WELL PROGNOSIS

WELL NAME BROTHERSON 1-23B4R  
 TYPE WELL DEVELOPMENT  
 FIELD/AREA ALTAMONT

APPROX. LOCATION (SUBJECT TO SURVEY) NW/4 NE/4 Section 23- T2S, R4W

EST. G. L. ELEVATION 6270 PROJECTED TD 12,650 OBJECTIVE WASATCH

HOLE SIZE	CASING PROGRAM	LOGGING PROGRAMS	MAX DEV.	DEPTHS AND FORMATION TOPS	SPECIAL INSTRUCTIONS
17½"	13 3/8"			13 3/8" CSG 300'	SAMPLES: 30' Samples Surface to 4800' 10' Samples 4800' to T.D.
↑	↑				
12½"	9 5/8"	4800'		TGR-1 5125' (+1020)	CORES: None
↓	↓	↑	↑	9 5/8" CSG 6000±	DST'S: None
↑	↑				
3 3/4"	7"			TGR-3 9105' (-2960)	DEVIATION CONTROL Drift Shots on Dull Bits. Maximum 1½°/100' dogleg severity
↑	To Surface				
↓		DIL-SP-CR CNL-FDC-CR-CAL BHC Sonic-CR	2-Man Mud Logging Unit	M1 10505' (-4360)	CEMENT 13 3/8" Cement to Surface 9 5/8" Cement to 5000' Bullhead Top Job.
↑				T/Transition 10680 (-4535)	7" Three stage cement job to surface
↓				7" CSG 10900'±200'	MUD 0-300': Gel & Lime native mud 300-9100': Clear water 9100'-TD: High Ph, low lime Weighted mud.
↑				B/Transition 11620 (-5475)	NOTE: Control mud weight to maintain a 300 psi overbalance. Refer to "Expected Pressure Distribution" for required weights.
↓				M5 12810' (-6665)	
↑	5 1/8"			TD 12,650	
↓	Liner				

ORIGINATOR: K. J. Hellmer DATE \_\_\_\_\_

ENGINEERING APPROVAL: \_\_\_\_\_

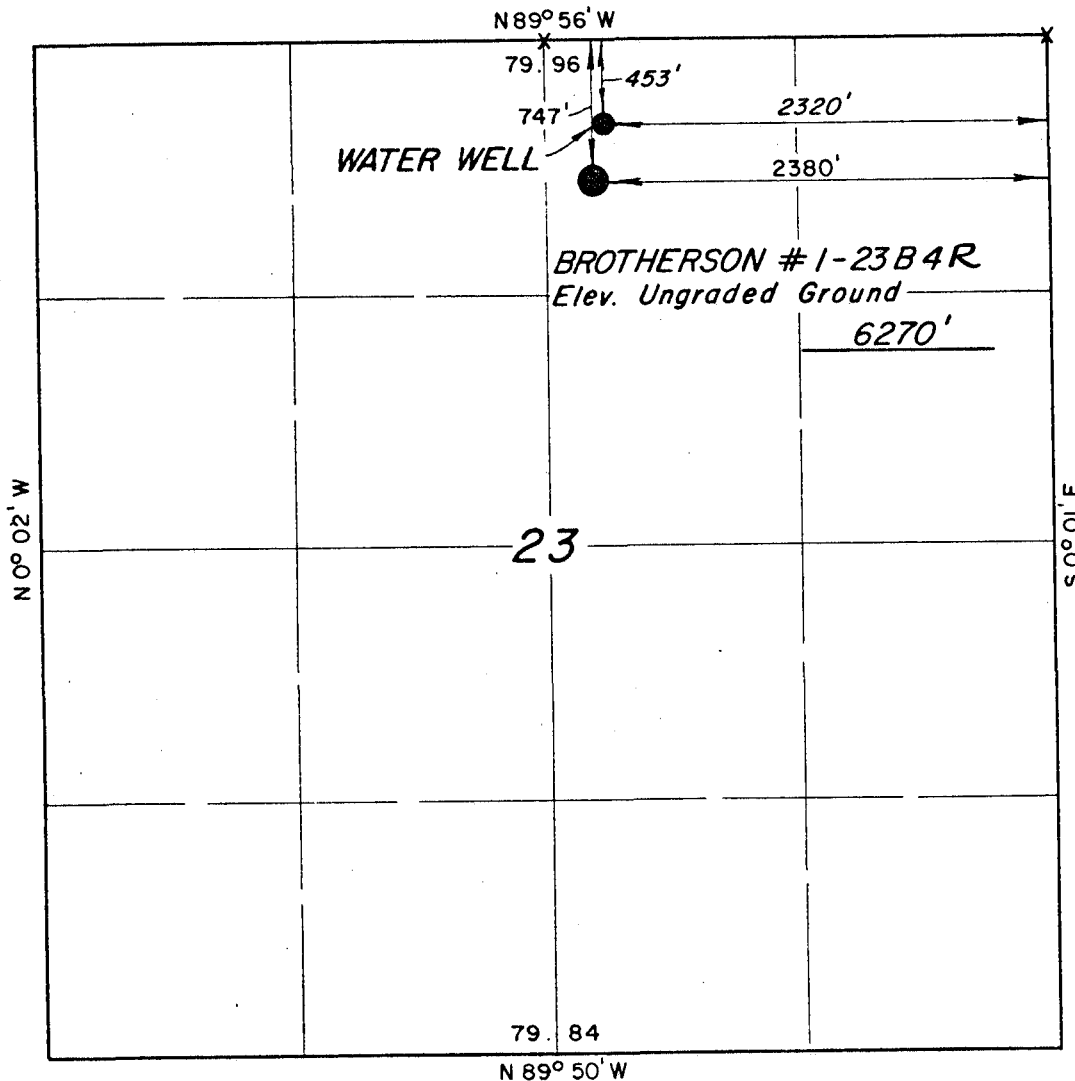
OPERATIONS APPROVAL: \_\_\_\_\_

PETROLEUM: \_\_\_\_\_

OPERATIONS: \_\_\_\_\_

DIV. DRILLING SUPT. \_\_\_\_\_

T 2 S, R 4 W, U.S.B.&M.



X = Section Corners Located

PROJECT  
SHELL OIL COMPANY

Well location, *BROTHERSON #1-23B4R*  
located as shown in the NW 1/4 NE 1/4 Section  
23, T 2 S, R 4 W, U.S.B.&M. Duchesne  
County, Utah

Water Well located as shown in the  
NW 1/4 NE 1/4 Section 23, T 2 S, R 4 W,  
U.S.B.&M. Duchesne County, Utah.



CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM  
FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY  
SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE  
BEST OF MY KNOWLEDGE AND BELIEF

*Lena Stewart*

REGISTERED LAND SURVEYOR  
REGISTRATION NO 3154  
STATE OF UTAH

UINTAH ENGINEERING & LAND SURVEYING  
P.O. BOX Q - 110 EAST - FIRST SOUTH  
VERNAL, UTAH - 84078

SCALE 1" = 1000'	DATE 1/3/79
PARTY D.A. J.B. B.W. BFW	REFERENCES GLO Plat
WEATHER Clear & Cold	FILE SHELL

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING

\*\* FILE NOTATIONS \*\*

Date: Jan. 22 -  
Operator: Shell Oil  
Well No: Bratherson 1-23B4R  
Location: Sec. 23 T. 25 R. 4W County: Duchesne

File Prepared: ☒ Entered on N.I.D.: ☒  
Card Indexed: ☒ Completion Sheet: ☒

✓ API NUMBER: 43-013-30483

CHECKED BY:

Administrative Assistant AW

Remarks: OK

Petroleum Engineer W. J. M.

Remarks:

Director 7

Remarks:

INCLUDE WITHIN APPROVAL LETTER:

Bond Required: ☒

Survey Plat Required: ☐

Order No. ☐

Surface Casing Change ☐  
to ☐

Rule C-3(c), Topographic exception/company owns or controls acreage  
within a 660' radius of proposed site ☐

O.K. Rule C-3 ☐

O.K. In ☐ Unit ☐

Other:

☒ Letter Writer/Approved


SUBMIT IN DUPLICATE\*

STATE OF UTAH  
OIL & GAS CONSERVATION COMMISSION

(See other instructions on reverse side)

2

## WELL COMPLETION OR RECOMPLETION REPORT AND LOG \*

1a. TYPE OF WELL: OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> DRY <input type="checkbox"/> Other _____						5. LEASE DESIGNATION AND SERIAL NO. Patented	
b. TYPE OF COMPLETION: NEW WELL <input checked="" type="checkbox"/> WORK OVER <input type="checkbox"/> DEEP-EN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> DIFF. RESVR. <input type="checkbox"/> Other _____						6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
2. NAME OF OPERATOR Shell Oil Company						7. UNIT AGREEMENT NAME	
3. ADDRESS OF OPERATOR P. O. Box 831 Houston, Texas 77001						8. FARM OR LEASE NAME Brotherson	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At surface 747' FNL & 2380 FEL, Section 23, T2S-R4W  At top prod. interval reported below  At total depth						9. WELL NO. 1-23B4R	
14. PERMIT NO. 43-013-30483 DATE ISSUED 1-11-79						10. FIELD AND POOL, OR WILDCAT Altamont	
15. DATE SPEUDED 2-1-79 16. DATE T.D. REACHED 4-2-79 17. DATE COMPL. (Ready to prod.) 5-15-79 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* 6270 GL, 6290 KB 19. ELEV. CASINGHEAD -						11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA Sec 23, T2S-R4W	
20. TOTAL DEPTH, MD & TVD 12,650'		21. PLUG, BACK T.D., MD & TVD 12,594'		22. IF MULTIPLE COMPL., HOW MANY* -		23. INTERVALS DRILLED BY Total	
24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* Wasatch 11,164' - 12,590'						25. WAS DIRECTIONAL SURVEY MADE -	
26. TYPE ELECTRIC AND OTHER LOGS RUN FDC-CNL-GR, BHCS-GR, DIL-GR						27. WAS WELL CORED No	
28. CASING RECORD (Report all strings set in well)							
CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD		AMOUNT PULLED	
13-3/8"		248'	17-1/2"	900 SX		None	
9-5/8"		6,280'	12-1/4"	1055 SX		None	
7"		10,690'	8-3/4"	1500 SX		None	
29. LINER RECORD				30. TUBING RECORD			
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
5"	10,479'	12,650'	225		2-7/8"	10,550'	10,550'
31. PERFORATION RECORD (Interval, size and number) 11,164' - 12,590' (300 holes)  See Attached				32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.			
				DEPTH INTERVAL (MD)		AMOUNT AND KIND OF MATERIAL USED	
				11,164'-12,590		1000 gal clean up acid, 32,500 gal 7-1/2% HCl.	
33.* PRODUCTION							
DATE FIRST PRODUCTION 5-8-79		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Flowing				WELL STATUS (Producing or shut-in) Producing	
DATE OF TEST 5-14-79	HOURS TESTED 24	CHOKE SIZE 26/64	PROD'N. FOR TEST PERIOD →	OIL—BBL 1048	GAS—MCF. 1721	WATER—BBL 152	GAS-OIL RATIO 1642
FLOW. TUBING PRESS. 1000 psi	CASING PRESSURE -	CALCULATED 24-HOUR RATE →	OIL—BBL 1048	GAS—MCF. 1721	WATER—BBL 152	OIL GRAVITY-API (CORR.) 43.5° API	
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) Sold						TEST WITNESSED BY	
35. LIST OF ATTACHMENTS Drilling & completion history.							
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records							
SIGNED 				TITLE Division Production Engineer		DATE 11-16-79	

\*(See Instructions and Spaces for Additional Data on Reverse Side)

# FINAL REPORT - NEW WELL

WELL: BROTHERSON 1-2384R  
 DEPTH: TD 12,650' PBD: 12,594'  
 OBJECTIVE: Wasatch  
 STATUS: Well complete. Flowing.  
 COMPLETION DATE: 5-15-79

On 24 hr test 5-14-79, flowed 1048 BO, 152 BW & 1721 MCF gas (GOR 1642) on 26/64" choke with 1000 psi FTP and zero casing pressure from Wasatch performances (3/ft) listed below:

11164	11422	11658	12041	12263
11174	11428	11671	12050	12277
11198	11436	11676	12065	12300
11220	11441	11745	12074	12314
11238	11451	11769	12084	12344
11246	11458	11774	12117	12349
11262	11471	11795	12123	12363
11271	11519	11808	12128	12383
11282	11523	11818	12139	12389
11298	11538	11828	12150	12398
11311	11550	11834	12166	12405
11315	11555	11860	12172	12412
11327	11561	11880	12182	12431
11335	11567	11899	12190	12441
11339	11578	11920	12196	12468
11353	11586	11932	12201	12497
11358	11596	11947	12216	12512
11381	11604	11992	12221	12544
11391	11639	12013	12235	12581
11415	11649	12032	12241	12590

Elevation: <sup>6290'</sup>~~6220'~~ KB, 6270' GL  
 Oil Gravity: 43.5° API @ 60° F.  
 Initial Production Date: 5-8-79

Log Tops:	TGR-3	8973'	(-2683')
	M1	10535'	(-4245')
	TT	10672'	(-4382')
	M2	11270'	(-4980')
	M3	11765'	(-5475')
	M4	12265'	(-5975')

This well was drilled as a replacement for 1-2384.  
 FINAL REPORT.

Drilling rig moved off: 4-9-79

Completion rig moved off on/about: 5-5-79

STATE OF UTAH  
OIL & GAS CONSERVATION COMMISSION

SUBMIT IN TRIPLICATE\*  
(Other instructions on reverse side)

## SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. <input type="checkbox"/> OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER		5. LEASE DESIGNATION AND SERIAL NO.
2. NAME OF OPERATOR <div style="text-align: center;">Shell Oil Company</div>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
3. ADDRESS OF OPERATOR <div style="text-align: center;">P. O. Box 831      Houston, Texas    77001</div>		7. UNIT AGREEMENT NAME
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface      747' FNL & 2380' FEL		8. FARM OR LEASE NAME <div style="text-align: center;">Brotherson</div>
14. PERMIT NO.		9. WELL NO. <div style="text-align: center;">1-23B4R</div>
15. ELEVATIONS (Show whether DF, RT, GR, etc.) <div style="text-align: center;">6290' KB</div>		10. FIELD AND POOL, OR WILDCAT
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA <div style="text-align: center;">NW/4 NE/4 Sec. 23-T2S-R4W</div>
		12. COUNTY OR PARISH    13. STATE <div style="text-align: center;">Duchesne      Utah</div>

16. **Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data**

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>
SHOOT OR ACIDIZE <input checked="" type="checkbox"/>	ABANDON* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>
(Other) <input type="checkbox"/>	

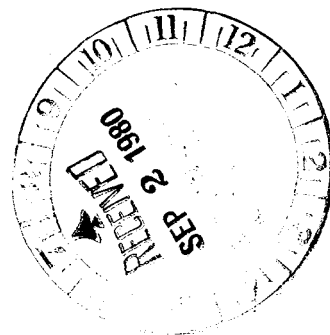
SUBSEQUENT REPORT OF:

WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOTING OR ACIDIZING <input checked="" type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
(Other) <input type="checkbox"/>	

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

See attached.



18. I hereby certify that the foregoing is true and correct

SIGNED J. M. Bell FOR Division Production Engineer TITLE 8/26/80 DATE

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_  
CONDITIONS OF APPROVAL, IF ANY:



RECOMPLETION PROGNOSIS  
BROTHERSON 1-23B4R  
SECTION 23, T2S, R4W  
DUCHESE COUNTY, UTAH  
ALTAMONT FIELD

Pertinent Data:

AFE No: \_\_\_\_\_  
Shell WI: 100%

KB Elevation: 6290'  
GL Elevation: 6270'  
KB-GL: 20'  
TD: 12,663'      PBDT: 12,598'

13-3/8", K-55, ST&C at 248' (weight not reported)  
9-5/8", K-55, LT&C at 6280' (weight not reported)  
7", 26#, S-95 at 10,690'  
5", 18#, SFP Hydril, P-110 at 12,650'; Burns plain hanger at 10,474'  
5" "FA" packer at 10,554'; 2-7/8", N-80, EUE tubing with anchor seal assembly

Current Status:

Flowing from DIL-SFL-GR perfs 11,164'-12,590'. Average production first 23 days of November was 246 BOPD, 122 BWPD, 538 MCFPD at 100-300 FTP on a 28/64" choke. Well has produced 97,796 BO, 24,059 BW, and 160,946 MCF since completion in May 1979.

Proposed Operation:

Perforate remaining Wasatch "pay" up to "TT" at  $\pm 10,670'$ . (This interval was not included in the initial completion due to poor cement bonding above CBL depth 11,000'.) Stimulate entire perforated interval and return to production.

Procedure:

1. Remove collar stop. Pump down standing valve and test tubing to 6500 psi. Test annulus to 2500 psi. Retrieve standing valve.
2. Rig up perforators with lubricator (test to 3000 psi). Using a 2" hollow steel carrier loaded with 6.2 gram charges, perforate unidirectionally with one shot at each of the depths listed on Attachment A. Decentralize guns with magnets at top, middle, and bottom. Record and report wellhead pressure before and after perforating.
3. Attempt to flow well to clean up prior to stimulation.
4. Acid treat gross perforated interval 10,662'-12,588' (CBL depths) (300 old perfs, 37 new perfs) with 35,000 gallons 7-1/2% HCl as follows:
  - a. Pump 5000 gallons of acid, dropping one ball sealer (7/8" RCN) every 100 gallons.
  - b. Pump 1000 gallons of acid containing 1000<sup>#</sup> benzoic acid flakes.

c. Repeat Step (a) five more times and Step (b) four more times.

TOTALS: 35,000 gallons 7-1/2% HCl, 5000# BAF, 300 balls.

d. Flush with 5000 gallons clean produced water.

e. Record ISIP and pressure fall-off for at least 30 minutes.

Notes: 1. All acid and flush to contain sufficient friction reducing agent for 50% friction reduction and 1# 20-40 mesh RA sand per 1000 gallons (no RA sand in flush).

2. Acid to contain sufficient inhibitor for four hours exposure at 210°F and the necessary surfactant (tested for compatibility with formation fluids).

3. Heat all fluids to 100°F.

4. Inject acid and flush at maximum rate while not exceeding 9000 psi surface pressure. Hold 2500 psi on annulus throughout job.

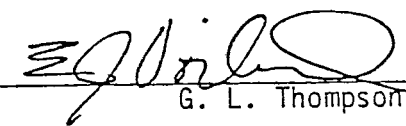
5. Increase amount of diverting material as necessary to obtain a gradual increase in treating pressure and/or decrease in pumping rate.

5. Run GR log from PBTD to 10,400'.

6. Flow well. When well ceases to flow, round trip tubing and install GL equipment as per attached design. (Charge rig time to capital W.O.)

7. Put well on gas lift production.

2/11/79  
MRS:JL  
11/26/79

  
G. L. Thompson 1A0 GLT  
12/3/79

CONCUR: (verbal by MRS 11-29-79)  
J. M. Rogers

Date

ATTACHMENT A  
RECOMPLETION PROGNOSIS  
BROTHERSON 1-23B4R

Note: Depth references are Schlumberger's DIL-SFL-GR dated 4/2/79 and OWP's GR-CBL-CCL dated 5/3/79.

Perforate one hole at each of the following depths:

<u>DIL-SFL-GR</u>	<u>GR-CBL-CCL</u>	<u>DIL-SFL-GR</u>	<u>GR-CBL-CCL</u>
11,151	11,144	10,873	10,865
11,144	11,137	10,859	10,851
11,057	11,049	10,851	10,842
11,045	11,038	10,840	10,830
11,015	11,007	10,834	10,824
11,009	11,001	10,821	10,812
10,996	10,988	10,815	10,806
10,990	10,982	10,801	10,792
10,979	10,971	10,794	10,785
10,972	10,964	10,765	10,756
10,963	10,955	10,753	10,744
10,950	10,942	10,748	10,739
10,946	10,938	10,742	10,733
10,928	10,920	10,732	10,723
10,915	10,907	10,704	10,694
10,910	10,902	10,699	10,689
10,894	10,886	10,686	10,677
10,880	10,872	10,680	10,669
		10,673	10,662

Total 37 new perfs.

11/26/79

WELL 1-2384R  
RIG 10

1/3/80

AFF NO. 583237  
DA LY COST \$4950, EST.

AUTH. AMT. \$47,000  
CUM. COST.

1-3-80 STATUS MILL OUT 5 IN. FA PKR.  
1-2-80 [REDACTED] AFF #583237 PROVIDES FUNDS  
TO CLEAN OUT PERFORATE & STIMULATE WASATCH INTERVAL. AFF 583232  
PROVIDES FUNDS TO PURCHASE GAS LIFT MANDRELS VALVES & RELATED  
EQUIPMENT. TO 12,863' PBTD 12,598' WESTERN OIL WELL RIG 19  
FOREMAN K. J. DESHOTEL, REMEDIAL OIL. MOVE FROM 1-2385 TO  
LOCATION AND RIG UP. PUMP 100 BBLs WATER DOWN TBG, REMOVE  
WELLHEAD INSTALL BOPS. RELEASE PKR & P.O.D.H. RIH WITH PKR  
PLUCKER AND TBG. TO 3000' + UR -. S.D.O.N.

WELL 1-2384R  
RIG 19

1/4/80

1-4-80 STATUS CLEAN OUT 5 IN. PRODUCTION LINER.  
1-3-80 RIH WITH MILL AND PKR PLUCKER AND TAG & 10,554'. MILL UP 5 IN. FA  
PKR. & POOH WITH TBG. PKR PLUCKER, MILL AND 5 IN. FA PACKER.  
RIH WITH 4-1/8 IN. O.D. X 2 IN. I.D. MILL SHOF AND TBG. TO  
6000' + UR -. S.D.O.N.

AFF NO. 583237  
DAILY COST \$2,950

AUTH. AMT. \$68,000  
CUM. COST. \$7,900 EST.

WELL 1-2384R  
RIG 19

1/5-7/80

AFF NO. #583237  
DAILY COST \$4550

AUTH. AMT. \$68,000  
CUM. COST \$12,450 EST.

1-5-80 - STATUS - PERFORATE.

1-4-80 - RIH AND TAG AT 11,870'. MILL FROM 11,870' TO 11,935'  
FOR! APPROX. 4 HOURS BEFORE FALLING THROUGH SCALE. SHUTDOWN AND  
CIRCULATE HOLE FOR 1 HOUR. WELL MAKING GAS AND OIL. RIH AND TAG  
AT 12,588', 10' FROM !PBTD 12,598'. PULL UP 1 JOINT AND SPOT  
630 GALLONS, 15% ACID. START OUT OF HOLE, LAYING DOWN 2 7/8 IN.  
TBG. S.D.O.N.

WELL 1-2384R

RIG 19

1/5-7/80

AFF NO. 583237

DAILY COST \$9,629

AUTH. AMT. \$68,000

CUM. COST. \$22,079 EST.

1-7-80 STATUS ACIDIZE

1-6-80 STATUS SHUT DOWN

1-5-80 PUMP 100 BBL PRODUCED WATER TO DISPLACE ACID INTO

FORMATION AND ROOM WITH TBG AND MILL. RIG UP OWP AND PERFORATE  
USING 3-1/8 IN CSG. GUN. 3 SPF. 14.0 GRAM CHARGES. 120 DEG. PHASING  
PHASING FOR 2 TOTAL OF 37 SELECTIONS 111 HOLES. PERFORATED FROM  
BOTTOMS UP 11,515 FT TO 10,462 FT. SELECTIONS TAKEN FROM  
PROGNOSIS DATED 12-10-79. REFERENCE FOR PERFORATING OWP'S  
GR-CBI-CCI DATED 5-3-79. NO PRESS. BEFORE AND AFTER IPERFORATION!  
FLUID LEVEL = 3770 FT. RIG DOWN OWP RIH WITH 7 IN. FULL  
BORE PACKER AND TBG. TO 7000 + 01 =.

WELL 1-2384R

RIG 19

1/8/80

AFF NO. S-583237

AFF NO. 583237

DAILY COST \$39,650

AUTH AMT \$21,000

CUM. COST \$61,729 EST.

01-08-80 STATUS RUN PRODUCTION EQUIPMENT.

01-07-80 RIH AND SET PKR @ 10,398 FEET LAND TBG WITH 16,000#  
TENSION. PRESS. TEST CSG TO 3000 CSG OK. PRESS. UP ON TBG TO  
5500# AND SPLIT SAME. RELEASE PKR PULL UP 3 JTS AND FOUND SPLIT  
RESET PKR @ 10,398 FEET LAND TBG WITH 15,000 TENSION. PRESS.  
TEST TBG TO 6500 PSI TBG OK. PRESS. TEST CSG TO 3000 CSG OK.  
ACIDIZE WELL AS FOLLOWS: ISP = 3500 5 MIN. = 2000 10 MIN. =  
1150 15 MIN. = 700 20 MIN. = 200 30 MIN. = 0. MAX PSI =  
8500 AVER PSI = 7600 MIN. PSI = 6400 MAX RATE = 19 AVER RATE  
18 MIN. RATE = 15. RIG UP O.W.P. RUN G.R. LOG. LOG INDICATES  
ABOUT 90% TO 95% TREATMENT. S.D.O.N

WELL 1-2384R

RIG 19

AFF NO. 583237

AFF NO. S-583237

DAILY COST \$5,450

1/9/80

AUTH. AMT. \$47,000

AUTH. AMT. \$21,000

CUM. COST \$67,179 EST.

01-09-80 STATUS RIG DOWN AND ~~SHUT DOWN~~

01-08-80 S.I. PSI 400#. OPEN WELL! TO PIT BLED OFF IN 5 MINUTES.  
AND PKR. RIH WITH 7 IN. FULLBORE PACKER MANIFOLDS AND VALVES  
PER PROGNOSIS. SET PKR @ 10,412' AND LAND TBG. WITH 16,000# TENSION.  
REMOVE BOP'S AND INSTALL 5000# PRODUCTION TREE. TURN WELL OVER  
TO PRODUCTION S.D.O.N

ALTAMONTShell-Brotherson 1-23B4R  
(D)12,560' Wasatch Test  
EL 2670' GR  
13-3/8" csg @ 248'  
9-5/8" csg @ 6280'  
7" csg @ 10,860'  
5" liner @ 12,650'TD 12,650. 5/9 Well flw'd 1220 BO, 255 BW & 1750 MCF Gas  
w/1100 psi FPT on a 26/64" chk.

MAY 10 1979

ALTAMONTShell-Brotherson 1-23B4R  
(D)12,560' Wasatch Test  
EL 2670' GR  
13-3/8" csg @ 248'  
9-5/8" csg @ 6280'  
7" csg @ 10,860'  
5" liner @ 12,650'TD 12,650. 5/10 In 22 hrs well flw'd 1155 BO, 131 BW &  
1620 MCF Gas w/1050 psi FTP on 26/64" chk. SI 2 hrs  
due to treater high level.

MAY 11 1979

ALTAMONTShell-Brotherson 1-23B4R  
(D)12,560' Wasatch Test  
EL 2670' GR  
13-3/8" csg @ 284'  
9-5/8" csg @ 6280'  
7" csg @ 10,860'  
5" liner @ 12,650'

TD 12,650. Gauge not available.

5/12-14/79

ALTAMONTShell-Brotherson 1-23B4R  
(D) MAY 15 197912,560' Wasatch Test  
EL 2670' GR  
13-3/8" csg @ 284'  
9-5/8" csg @ 6280'  
7" csg @ 10,860'  
5" liner @ 12,650'

TD 12,650. On various tests, well flw'd:

Rept Date	Hrs	BO	BW	MCF Gas	Press
5/10	22	1242	241	1809	2000
5/11	24	1228	138	1778	1000
5/12	24	1209	171	1826	1050
5/13	24	1176	162	1820	1025

ALTAMONTShell-Brotherson 1-23B4R  
(D)12,560' Wasatch Test  
EL 2670' GR  
13-3/8" csg @ 284'  
9-5/8" csg @ 6280'  
7" csg @ 10,860'  
5" liner @ 12,650'

TD 12,650. Gauge not available.

MAY 16 1979

ALTAMONTShell-Brotherson 1-23B4R  
(D)12,560' Wasatch Test  
EL 2670' GR  
13-3/8" csg @ 284'  
9-5/8" csg @ 6280'  
7" csg @ 10,860'  
5" liner @ 12,650'

TD 12,650. On various tests, well pop'd:

Rept Date	Hrs	BO	BW	MCF Gas	Press
5/14	24	1048	152	1721	1000
5/15	22	924	120	1826	1000

MAY 17 1979

ADDITIONAL

Shell-Brotherson 1-23B4R  
(D)  
12,560' Wasatch Test  
EL 2670' GR  
13-3/8" csg @ 248'  
9-5/8" csg @ 6280'  
7" csg @ 10,860'  
5" liner @ 12,650'

TD 12,650. 5/2 Milled 12,588-12,594; hard. Mill kept plugging. Pmp'd dn tbg & csg twice to unplug. Rev circ'd hole clean. Press tested backside (csg) to 3500# for 15 mins, ok. Drop'd SV & pmp'd dn. Press tested tbg to 7050 psi for 15 mins; ok. POOH & LD 7" Bkr scraper.

MAY 3 1979

ADDITIONAL

Shell-Brotherson 1-23B4R  
(D)  
12,560' Wasatch Test  
EL 2670' GR  
13-3/8" csg @ 248'  
9-5/8" csg @ 6280'  
7" csg @ 10,860'  
5" liner @ 12,650'

TD 12,650. 5/3 Press'd csg & lubri to 3000 psi. OWP ran GR/CBL/CCL log & had 100% bond from 12,578-11,050; 0% bond from 11,050-10,800; 80% bond from 10,800-10,700; 40% bond from 10,700-10,550; 50% bond from 10,550-10,150 & 100% bond from 10,150-10,100. Prep to perf. SION.

MAY 4 1979

ALTAMONT

Shell-Brotherson 1-23B4R  
(D)  
12,560' Wasatch Test  
EL 2670' GR  
13-3/8" csg @ 248'  
9-5/8" csg @ 6280'  
7" csg @ 10,860'  
5" liner @ 12,650'

TD 12,650. 5/4 OWP perf'd w/3-1/8" OD csg gun w/3 jets/ft using 120 deg phasing. Perf'd from btm up as per prog - 12,590-11,164'. Made 7 runs; 300 holes. FL @ sfc. Recorded sfc press after 3rd run & had 550# 12,128-11,880. Had 2600# sfc press on 7th run after perf'g 11,220'-11,164' & 2500# 6th run w/FL @ sfc. Set Bkr 5" "FA" pkr w/expensible plug @ 10,554'. Bled off CP. 5/5 Ran Bkr seal assembly & +45 SN in hole. Latched into pkr @ 10,534. Press tested tbg to 6500#, ok. Installed 10,000# X-mas tree. Press'd TP to 3000 psi. Knocked plug out of pkr. Flw'd well to pit on 32/64" chk. 5/6 Rig SD. 5/7 36-hr SITP 3400#. Opened well on 20/64" chk; gas & oil immediately. No decr in TP.

5/5-7/79

ALTAMONT

Shell-Brotherson 1-23B4R  
(D)  
12,560' Wasatch Test  
EL 2670' GR  
13-3/8" csg @ 248'  
9-5/8" csg @ 6280'  
7" csg @ 10,860'  
5" liner @ 12,650'

TD 12,650. 5/7 Opened well to battery thru 24/64" chk; prod 34 BO & 20 BW. Gradually decr'd TP to 0 psi & died. Left well open overnight w/very slight flow.

MAY 8 1979

Shell-Brotherson 1-23B4R  
(D) MAY 9 1979  
12,560' Wasatch Test  
EL 2670' GR  
13-3/8" csg @ 248'  
9-5/8" csg @ 6280'  
7" csg @ 10,860'  
5" liner @ 12,650'

TD 12,650. 5/8 BJ AT perfs 12,590-11,164 - 300 holes as per prog. Max press 8700 psi, min 4700 & avg 8100. Max rate 18 B/M, min 9 & avg 15. ISI 4800; 5 mins 4530, 10 mins 4310 & 15 mins 4000. Used 300 ball sealers & 2500# BAF. Flushed trtmt w/120 bbls prod wtr. Total trtmt 863 bbls. 2-1/2 hr SITP 2500#. OWP ran GR log from TD (12,588) to 10,400'. Log indicated 95% of perfs took trtmt & communication behind 5" liner up to 10,856'. Flw'd well to pit 15 mins. Had show of oil (yellow) & gas. Turned well over to production.

1-23B4

ALTAMONT

Shell-Brotherson 1-23B4R  
(D)  
12,560' Wasatch Test  
EL 2670' GR  
13-3/8" csg @ 248'  
9-5/8" csg @ 6280'  
7" csg @ 10,860'  
5" liner @ 12,650'

APR 26 1979

TD 12,650. (RAD 4/9/79) 4/24 RU WOW //17. RIH w/4-1/8" mill & circ'd out mud to TD w/clean prod wtr. Tested liner lap to 3500 psi & tbg to 7000. Ran GR/CCL/CBL log from PBTD to 200' above liner top. Perf'd as per prog: 3 jets/ft w/3-1/8" csg carrier gun; 14 grm chrgs using 120 deg phasing. Set 7" Mal "D" pkr @ 10,500' & RIH w/latch-in seal assembly w/on-off seal connector w/"P" profile nip & latched into pkr. Tested tbg to 7000#. Knocked out plug w/sinker bars. 4/25 Installed tbg hd spool (10" 5000# x 6" 5000#) w/new pack off seals & tested to 5000#. ok. PU 4-1/8" mill, 1 jt WP & 2174' 2-7/8" tbg drifting each jt as PU. Ran 7" Bkr scraper above 2174' of tbg. Ran +45 SN above pkr & 4-1/8" mill to 5000'. Rev circ'd out drlg mud @ 5000'. SDON.

ALTAMONT

Shell-Brotherson 1-23B4R  
(D) APR 27 1979  
12,560' Wasatch Test  
EL 2670' GR  
13-3/8" csg @ 248'  
9-5/8" csg @ 6280'  
7" csg @ 10,860'  
5" liner @ 12,650'

TD 12,650. 4/26 Tag'd soft btm @ 10,300'. Rev circ'd mud out of hole. Circ'd well clean. Finished drift'g tbg; tag'd top of liner w/4-1/8" mill. Milled thru aluminum plug in liner top. Milled 10' into 5" liner & tag'd up again. Milled 30 mins & fell free. Circ'd conventionally. Milled to 12,527 & tag'd up on rubber plug & cnt. BJ pmp'd 15 bbls sweep, then 50 bbls clean prod wtr, then 15 bbls sweep. Fluids pop'd foll'd w/450 bbls prod clean wtr. Total displacement 425 bbls.

ALTAMONT

Shell-Brotherson 1-23B4R  
(D) 4/28-30/79  
12,560' Wasatch Test  
EL 2670' GR  
13-3/8" csg @ 248'  
9-5/8" csg @ 6280'  
7" csg @ 10,860'  
5" liner @ 12,650'

TD 12,650. 4/27 Milled out rubber plugs & cnt 12,527'-12,560' w/rev circ. Rev circ'd tbg clean. Started out of hole to change mill. Pulled 20 stds tbg. SD for repairs. 4/29 SD Sunday & rig repairs.

ALTAMONT

Shell-Brotherson 1-23B4R  
(D)  
12,560' Wasatch Test  
EL 2670' GR  
13-3/8" csg @ 248'  
9-5/8" csg @ 6280'  
7" csg @ 10,860'  
5" liner @ 12,650'

TD 12,650. 4/30 SD for rig repairs.

MAY 1 1979

ALTAMONT

Shell-Brotherson 1-23B4R  
(D) MAY 2 1979  
12,560' Wasatch Test  
EL 2670' GR  
13-3/8" csg @ 248'  
9-5/8" csg @ 6280'  
7" csg @ 10,860'  
5" liner @ 12,650'

TD 12,650. S/I POOH & LD mill & WP. RIH w/4-1/8 fish tail mill w/3 stab blocks above mill & 1 jt tbg to replace WP. Left 7" Bkr rota-vert scraper in place. RU power swivel to get thru liner top @ 10,480'. Rotated thru 5" liner, ok. Milled cnt from 12,568-12,588' & mill plugged. Rev circ'd & circ'd hole clean. SDON.



1-200

Shell-Brotherson 1-23B4R 3/31: 12,270/65/58/215. Drlg. BG Gas 13 units; conn  
(D) Brinkerhoff #69 gas 15 units.  
12,560' Wasatch Test Mud: (.754) 14.5 x 45 x 6.4  
EL 6270' CR 4/1: 12,450/65/59/180. Drlg. BG Gas 1-1/2 units; conn  
13-3/8" csg @ 248' gas 8 units.  
9-5/8" csg @ 6280' Mud: (.754) 14.5 x 45 x 6.3  
7" csg @ 10,860' 4/2: 12,645/65/60/195. Drlg. BG Gas 3 units; conn gas  
3/31-4/2/79 40 units.  
Mud: (.754) 14.5 x 48 x 6.4

ALTAMONT

Shell-Brotherson 1-23B4R 12,650/65/61/RIH to circ. Ran Schl, DIL/GR, BHC/GR -  
(D) Brinkerhoff #69 FDC/CNL/GR, BHC - GR, FDC/CNL/GR & BHC - GR logs from  
12,560' Wasatch Test 12,650-10,680'.  
EL 6270' CR Mud: (.754) 14.5 x 49 x 6.2  
13-3/8" csg @ 248'  
9-5/8" csg @ 6280' APR 3 1979  
7" csg @ 10,860'

Shell-Brotherson 1-23B4R 12,650/65/62/0. Circ'g. Fished DP rubbers out of BOP's.  
(D) Brinkerhoff #69 Mud: (.754) 14.5 x 43 x 6.8  
12,560' Wasatch Test  
EL 6270' CR APR 4 1979  
13-3/8" csg @ 248'  
9-5/8" csg @ 6280'  
7" csg @ 10,860'

Shell-Brotherson 1-23B4R 12,650/65/63/0. TOOH w/liner tools. Ran 56 jts 5" 180'.  
(D) Brinkerhoff #69 SFP hydril P-110 liner to 12,650' w/Howsco diff fill shoe  
12,560' Wasatch Test & Howsco diff float collar. Howsco cnt'd thru burna-plai.  
EL 6270' CR APR 5 1979 liner hanger @ 10,479 w/225 sx cnt blended w/30% silica  
13-3/8" csg @ 248' flour treated w/5% HZ-5 & retarded w/1% CFR-2. Had good  
9-5/8" csg @ 6280' returns while mixing cnt but no returns while displ'g.  
7" csg @ 10,860' CIP 3:00 a.m. 4/5/79.  
5" liner @ 12,650' Mud: (.738) 14.2 x 48 x 6.8

ALTAMONT

Shell-Brotherson 1-23B4R 12,650/65/64/0. Squeezing Lap. Tagged top liner @  
(D) Brinkerhoff #69 10,479'. Howco pmp'd 100 sx Class "H" treated w/.06%  
12,560' Wasatch Test Halad 22A. Pmp'd 10 bbls slurry in lap.  
EL 6270' CR Mud: (.754) 14.5 x 48 x 6.8  
13-3/8" csg @ 248'

9-5/8" csg @ 6280' APR 6 1979  
7" csg @ 10,860'  
Shell-Brotherson 1-23B4R 4/7: 12,650/65/65/0. POOH. Repaired BOP lines & killed  
(D) line. TIH & tag'd cnt top @ 10,174. Press tested to  
12,560' Wasatch Test 2700 psi, ok.  
EL 6270' CR Mud: (.748) 14.4 x 52 x 8.6  
13-3/8" csg @ 248' 4/8: 12,650/65/66/0. POOH. RIH w/RIIS tool. Tested  
9-5/8" csg @ 6280' liner lap w/3300 psi, ok. In flow tested 65 bbls @ 9375,  
7" csg @ 10,860' ok. Chained out to 4500' & tested csg to 4200#, ok.  
5" liner @ 12,650' 19 Opened tool & tested all csg @ 3300#, ok; POOH. RIH w/DC  
& bit to 9500'; POOH LD DP.  
Mud: (.754) 14.5 x 48 x 8.6  
4/9: 12,650/65/67/0. MORT. Rig released 8:00 a.m.  
4/9/79.  
(Report discontinued until further activity.)  
Cost \$1,506.446

Shell-Brotherson 1-23B4R  
(D) Brinkerhoff #69  
12,560' Wasatch Test  
EL 6270' GR  
13-3/8" csg @ 292'  
9-5/8" csg @ 6280'

11,639/65/50/0. Washing over fish. Ran free point & backed off. Top of fish @ 10,794'.  
Mud: (.754) 14.5 x 49 x 5.6

MAR 23 1979

Shell-Brotherson 1-23B4R  
(D) Brinkerhoff #69  
12,560' Wasatch Test  
EL 6270' GR  
13-3/8" csg @ 292'  
9-5/8" csg @ 6280'

3/24: 11,639/65/51/0. Pulling 5 DC's. Jarred on fish. Rec'd 5 DC's; top of fish @ 10,942' - 658' fish left in hole.

Mud: (.754) 14.5 x 52 x 5.2

3/25: 11,639/65/52/0. Pulling WP. Washed over 45'; shoe worn out.

Mud: (.754) 14.5 x 53 x 5.0

3/26: 11,639/65/53/0. Run'g in w/overshot. Tried to screw into fish. Washed over to 11,160. Ran 18' further & fish moved dn hole.

Mud: (.754) 14.5 x 53 x 5.0

3/24-26/79

Shell-Brotherson 1-23B4R  
(D) Brinkerhoff #69  
12,560' Wasatch Test  
EL 6270' GR  
13-3/8" csg @ 292'  
9-5/8" csg @ 6280'

11,639/65/54/0. TIH w/magnet. Rec'd fish. While milling over top of fish cut side off box on DC.  
Mud: (.754) 14.5 x 55 x 5.4

MAR 27 1979

ALTAMONT

Shell-Brotherson 1-23B4R  
(D) Brinkerhoff #69  
12,560' Wasatch Test  
EL 6270' GR  
13-3/8" csg @ 292'  
9-5/8" csg @ 6280'

11,725/65/55/86. Drlg. Rec'd junk & circ'd btms up. Rec'd all junk.  
Mud: (.754) 14.5 x 48 x 6.4

MAR 28 1979

Shell-Brotherson 1-23B4R  
(D) Brinkerhoff #69  
12,560' Wasatch Test  
EL 6270' GR  
13-3/8" csg @ 248'  
9-5/8" csg @ 6280'  
7" csg @ 10,860'

11,930/65/56/205. Drlg. BG 80 & Conn Gas 250.  
Mud: (.754) 14.5 x 46 x 6.2

MAR 29 1979

Shell-Brotherson 1-23B4R  
(D) Brinkerhoff #69  
12,560' Wasatch Test  
EL 6270' GR  
13-3/8" csg @ 248'  
9-5/8" csg @ 6280'  
7" csg @ 10,860'

12,055/65/57/125. Drlg. Worked thru several sml bridges from 11,000-11,500. Trip Gas 1800, BG 2 & Conn 23.  
Mud: (.754) 14.5 x 47 x 6.2

MAR 30 1979

Shell-Brotherson 1-23B4R 11,326/65/42/96. TCOH.  
(D) Brinkerhoff #69 Mud: (.707) 13.6 x 44 x 6.8  
12,560' Wasatch Test  
EL 6270' GR MAR 15 1979  
13-3/8" csg @ 298'  
9-5/8" csg @ 6280'

ALTA MONT  
Shell-Brotherson 1-23B4R 11,433/65/43/107. Spot'g pill. Washed & reamed 23' to  
(D) Brinkerhoff #69 btm. Lost circ - 350 bbls. Lost 15-20 bbls mud while  
12,560' Wasatch Test drlg around 11,400-11,410'. Lost all returns at 11,433'.  
EL 6270' GR Spot'd 20 ex pill of fines.  
13-3/8" csg @ 298' Mud: (.743) 14.3 x 48 x 6.2 MAR 16 1979  
9-5/8" csg @ 6280'

ALTA MONT  
Shell-Brotherson 1-23B4R 3/17: 11,433/65/44/0. TTH. RU McCullough to perf  
(D) Brinkerhoff #69 DP for circ & shot 4 holes @ 10,650. Circ'd out wtr &  
12,560' Wasatch Test gas. TCOH & LD drill. PU new bit & drlg assembly.  
EL 6270' GR Mud: (.733) 14.1 x 47  
13-3/8" csg @ 292' 3/18: 11,494/65/45/61. Drlg. Washed dn last 60' &  
9-5/8" csg @ 6280' circ'd btm up (3700 units). Drld 2' & lost all returns.  
Spot'd 70 bbls pill of 20 ex (fine hulls) & got returns.  
Lost approx 250 bbls.  
Mud: (.738) 14.2 x 48 x 6.2  
3/19: 11,600/65/46/106. Drlg. Not losing any mud now  
but lost approx 100 bbls in last 24 hrs. EG gas 20 units  
& conn gas 3200.  
Mud: (.754) 14.5 x 47 x 6

3/17-19/79

Shell-Brotherson 1-23B4R 11,639/65/47/39. Working pipe w/Black Magic.  
(D) Brinkerhoff #69 Lost circ @ 11,639. Pipe stuck 50' off btm. Mixed  
12,560' Wasatch Test 50 bbls Black Magic w/diesel & bar to 14.5. Left 14  
EL 6270' GR bbls in DP. Lost 175 bbls mud. MAR 20 1979  
13-3/8" csg @ 292'  
9-5/8" csg @ 6280' Mud: (.754) 14.5 x 47 x 5.8

Shell-Brotherson 1-23B4R 11,639/65/48/0. PCOH. Ran Dialog free point & found  
(D) Brinkerhoff #69 32 DC's & BHA stuck. Backed off @ 10,653, leaving top  
12,560' Wasatch Test of fish in 7" csg. MAR 21 1979  
EL 6270' GR Mud: (.754) 14.5 x 47 x 5.8  
13-3/8" csg @ 292'  
9-5/8" csg @ 6280'

ALTA MONT  
Shell-Brotherson 1-23B4R 11,639/65/49/0. Pulling WP. Washed over fish 10,660-  
(D) Brinkerhoff #69 10,839. Lost 130 bbls mud while washing over.  
12,560' Wasatch Test Mud: (.754) 14.5 x 49 x 5.2  
EL 6270' GR MAR 22 1979  
13-3/8" csg @ 292'  
9-5/8" csg @ 6280'

Shell-Brotherson 1-2384R 10,680/65/33/0. Testing stack.  
(D) Brinkerhoff #69 Mud: (.592) 11.4 x 40 x 8.2  
12,560' Wasatch Test  
EL 6270' GR MAR 6 1979  
13-3/8" csg @ 248'  
9-5/8" csg @ 6280'

Shell-Brotherson 1-2384R 11,682/65/34/2. POOH. DO FC & shoe @ 11,680'. Circ'd  
(D) Brinkerhoff #69 btms up.  
12,560' Wasatch Test Mud: (.603) 11.6 x 43 x 8.6  
EL 6270' GR MAR 7 1979  
13-3/8" csg @ 298'  
9-5/8" csg @ 6280'

ALTA MONT

Shell-Brotherson 1-2384R 11,682/65/35/0. Logging. RU Dialog & RIH w/Eastman  
(D) Brinkerhoff #69 Gyroscopic multishot to 10,265 & log'd. On Run #2  
12,560' Wasatch Test RIH w/hand log; showed good on btm 120', bad 10,560-  
EL 6270' GR 9400, good 9400-7700, bad 7700-4600, then no bonding  
13-3/8" csg @ 298' from 4600-sfc. On Run #3 ran a Cal. After reading  
9-5/8" csg @ 6280' gyro it showed a 1.51 dog leg @ 5500'. Had to rerun  
MAR 8 1979 on 10' shots from 5650-5350.  
Mud: (.603) 11.6 x 43

ALTA MONT

Shell-Brotherson 1-2384R 10,760/65/36/78. Drilg. BG gas 3-4 units & trip gas  
(D) Brinkerhoff #69 275.  
12,560' Wasatch Test Mud: (.613) 11.8 x 44 x 7.6 MAR 9 1979  
EL 6270' GR  
13-3/8" csg @ 298'  
9-5/8" csg @ 6280'

Shell-Brotherson 1-2384R 3/10: 10,825/65/37/65. Drilg.  
(D) Brinkerhoff #69 Mud: (.634) 12.2 x 47 x 6.8  
12,560' Wasatch Test 3/11: 10,909/65/38/34. Drilg. Lost 15-20 bbls mud @  
EL 6270' GR 2/10-12/79 10,893'. BG gas - 5-6 units.  
13-3/8" csg @ 293' Mud: (.644) 12.4 x 46 x 6.6  
9-5/8" csg @ 6280' 3/12: 10,950/65/39/41. THH. Lost 20 ± bbls @ 10,944'.  
Mud: (.650) 12.5 x 46 x 6.4

Shell-Brotherson 1-2384R 11,090/65/40/140. Drilg. BG gas 5-15 units; conn gas  
(D) Brinkerhoff #69 28 units.  
12,560' Wasatch Test Mud: (.650) 12.5 x 44 x 6.2  
EL 6270' GR MAR 13 1979  
13-3/8" csg @ 298'  
9-5/8" csg @ 6280'

Shell-Brotherson 1-2384R 11,230/65/41/140. Drilg.  
(D) Brinkerhoff #69 Mud: (.681) 13.1 x 45 x 6.4  
12,560' Wasatch Test  
EL 6270' GR MAR 14 1979  
13-3/8" csg @ 298'  
9-5/8" csg @ 6280'

Shell-Brotherson 1-2384R 8865/65/22/505. Drlg. EG gas 300; Trip gas 450.  
(D) Brinkerhoff #69 Dev: 2 deg @ 8790'.  
12,560' Wasatch Test Mud: (.431) 8.3 x 27  
EL 6270' CR  
13-3/8" csg @ 248'  
9-5/8" csg @ 6280'  
FEB 23 1979

Shell-Brotherson 1-2384R 2/24: 9588/65/23/723. Drlg. Gas showed 8980-3500 units.  
(D) Brinkerhoff #69 Mud: (.431) 8.3 x 27  
12,560' Wasatch Test 2/25: 10,000/65/24/412. Drlg.  
EL 6270' CR 2/24-26/79 Mud: (.499) 9.6 x 35 x 11.6  
13-3/8" csg @ 248' 2/26: 10,162/65/25/168. Drlg. Lost circ @ 10,154 &  
9-5/8" csg @ 6280' shot pill. Lost 375 bbls. Had 1700 units gas on btms up  
after circ lost.  
Mud: (.535) 10.3 x 39 x 12.2

Shell-Brotherson 1-2384R 10,288/65/26/120. Drlg. Dev: 2 deg @ 10,209'.  
(D) Brinkerhoff #69 Mud: (.540) 10.4 x 38 x 11.6  
12,560' Wasatch Test (Note: On rept dtd 2/24 S/B gas showed 3500 units @  
EL 6270' CR 8980'.)  
13-3/8" csg @ 248'  
9-5/8" csg @ 6280'  
FEB 27 1979

Shell-Brotherson 1-2384R 10,458/65/27/170. Drlg. Lost 80 bbls mud @ 10,439'.  
(D) Brinkerhoff #69 Mud: (.592) 11.4 x 39 x 10.7  
12,560' Wasatch Test  
EL 6270' CR  
13-3/8" csg @ 248'  
9-5/8" csg @ 6280'  
FEB 28 1979

#### ALTAMONT

Shell-Brotherson 1-2384R 10,535/65/28/77. Drlg. Lost circ @ 10,527 & lost  
(D) Brinkerhoff #69 800 bbls. Pulled tight 10,527-10,464.  
12,560' Wasatch Test Mud: (.572) 11.0 x 38 x 11.2  
EL 6270' CR  
13-3/8" csg @ 248'  
9-5/8" csg @ 6280'  
MAR 1 1979

#### ALTAMONT

Shell-Brotherson 1-2384R 10,618/65/29/83. Drlg. Lost 60 bbls mud. Dev: 2 deg @  
(D) Brinkerhoff #69 10,558.  
12,560' Wasatch Test Mud: (.582) 11.2 x 39 x 8.0  
EL 6270' CR  
13-3/8" csg @ 248'  
9-5/8" csg @ 6280'  
MAR 2 1979

Shell-Brotherson 1-2384R 3/3: 10,680/65/30/52. Prep to log. Lost 40 bbls mud.  
(D) Brinkerhoff #69 Mud: (.592) 11.4 x 39 x 8.6  
12,560' Wasatch Test 3/4: 10,680/65/31/0. Circ'g btms up. Schl ran DIL/CR,  
EL 6270' CR 3/3-5/79 FDC/CML/GR - GBC/GR & CML/FDC/GR.  
13-3/8" csg @ 248' Mud: (.529) 11.4 x 41 x 8.4  
9-5/8" csg @ 6280' 3/5: 10,680/65/32/0. Rippling dn. Ran 243 jts, 26H,  
(Continued)

#### ALTAMONT

Shell-Brotherson 1-2384R S-95, 7" csg to 10,680 & cnt'd w/1175 ex Howco Lite,  
(D) Brinkerhoff #69 blended w/5H Gilsonite & treated w/1/4H/sx flocele w/1X  
12,560' Wasatch Test Haled 9 & foll'd w/325 ex 50-50 poz & 2X gel, 1X Haled 9,  
EL 6270' CR & 1/4H/sx flocele. Had 60% returns. CIP 5:45 AM.  
13-3/8" csg @ 248' Mud: (.592) 11.4 x 40 x 8.2

Shell-Brotherson 1-23B4R 5000/65/12/170. Drlg. Lost all returns @ 4865'. Emp'd  
(D) Brinkerhoff #69 2 - 80 bbl pills; hole wouldn't stay open. Rigging up  
12,560' Wasatch Test air compressor.  
EL 6270' CR Mud: Wtr : FEB 13 1979  
13-3/8" csg @ 248'

Shell-Brotherson 1-23B4R 5390/65/13/390. Washing to btm.  
(D) Brinkerhoff #69 Mud: Wtr & Air  
12,560' Wasatch Test  
EL 6270' CR FEB 14 1979  
13-3/8" csg @ 248'

Shell-Brotherson 1-23B4R 5890/65/14/500. Drlg.  
(D) Brinkerhoff #69 Mud: Wtr & Air  
12,560' Wasatch Test  
EL 6270' CR  
13-3/8" csg @ 248' FEB 15 1979

Shell-Brotherson 1-23B4R 6300/65/15/410. Prep to run csg. Spot'd 600 bbls  
(D) Brinkerhoff #69 mud 6300'-4500'. FEB 16 1979  
12,560' Wasatch Test Mud: Air & Wtr  
EL 6270' CR  
13-3/8" csg @ 248'

Shell-Brotherson 1-23B4R 2/17: 6300/65/16/0. WOC. Ran 153 jts K-55 LT&C 9-5/8"  
(D) Brinkerhoff #69 csg @ 6280' & cmt'd w/415 sx lite, foll'd w/290 sx "H"  
12,560' Wasatch Test cmt. Emp'd 350 sx "H" cmt between 13-3/8 & 9-5/8.  
EL 6270' CR Dev: 1-3/4 deg @ 6300'.  
13-3/8" csg @ 248' Mud: Air & Wtr.  
9-5/8" csg @ 6280' 2/18: 6300/65/17/0. PU BHA.  
Mud: Air & Wtr  
2/19: 6773/65/18/473. Drlg. Dev: 3-1/2 deg @ 6300,  
2-1/2 deg @ 6520 & 3 deg @ 6743'.  
Mud: Air & Wtr  
2/20: 7350/65/19/577. Drlg. Dev: 1-3/4 deg @ 7088' &  
2-1/4 deg @ 6773'.  
Mud: Air & Wtr

2/17-20/79

Shell-Brotherson 1-23B4R 7744/65/20/394. RHL.  
(D) Brinkerhoff #69 Mud: (.431) 8.3 x 27  
12,560' Wasatch Test  
EL 6270' CR FEB 21 1979  
13-3/8" csg @ 248'  
9-5/8" csg @ 6280'

Shell-Brotherson 1-23B4R 8360/65/21/616. Drlg.  
(D) Brinkerhoff #69 Mud: (.431) 8.3 x 27  
12,560' Wasatch Test  
EL 6270' CR  
13-3/8" csg @ 248' FEB 22 1979  
9-5/8" csg @ 6280'

ALTIMONT

Shell-Brotherson 1-2384R  
(D) Brinkerhoff #69  
12,650' Wasatch Test  
EL 6270' GR

"GR" 50/65/0/50. Drig. Located 747' EBL & 2380' FEL  
NW/4 SE/4, Section 23-T2S-R4W, Duchesne County, Utah.  
Shell's Marking Interest: 100%. Spudded 6:08 a.m.  
2/1/79. FEB 1 1979

Shell-Brotherson 1-2384R  
(D) Brinkerhoff #69  
12,650' Wasatch Test  
EL 6270' GR

255/65/1/205. Drig. Dev: 1/4 deg @ 133'.  
Mud: (.473) 9.1 x 38  
FEB 2 1979

Shell-Brotherson 1-2384R  
(D) Brinkerhoff #69  
12,650' Wasatch Test  
EL 6270' GR  
12-3/8" csg @ 260'

2/3-5/79

2/3: 248/65/2/0. WOC. Run 6 joints K-55 STC 13-3/8"  
csg & cmt'd @ 248' w/500 ex Class "C" cmt w/3% CaCl2 &  
cmt'd to sfc.

Mud: (.530) 10.2

2/4: 248/65/3/0. Milling. Drld out cmt & tag'd iron.  
Milled to 260'. Holes in conductor.

Mud: (.520) 10.0 x 55

2/5: 277/65/4/29. WOC. Drld to 277. Pap'd 200 ex "H"  
w/12% Calceal w/3% CaCl2 & 1/2# tnf fibers. Dev: 1 1/2 deg  
@ 277'.

Mud: (.520) 10 x 45

Shell-Brotherson 1-2384R  
(D) Brinkerhoff #69  
12,650' Wasatch Test  
EL 6270' GR  
12-3/8" csg @ 240'

560/65/5/253. Drig. Dev: 1/2 deg @ 310'.  
Mud: Wtr.

FEB 6 1979

Shell-Brotherson 1-2384R  
(D) Brinkerhoff #69  
12,650' Wasatch Test  
EL 6270' GR  
12-3/8" csg @ 248'

1450/65/6/890. Drig.

Mud: (.431) 8.3 x wtr

FEB 7 1979

Shell-Brotherson 1-2384R  
(D) Brinkerhoff #69  
12,650' Wasatch Test  
EL 6270' GR  
12-3/8" csg @ 248'

2580/65/7/1130. Drig.

Mud: (.431) 8.3

FEB 8 1979

ALTIMONT

Shell-Brotherson 1-2384R  
(D) Brinkerhoff #69  
12,650' Wasatch Test  
EL 6270' GR  
12-3/8" csg @ 248'

3300/65/8/720. Drig.

Mud: (.431) 8.3 x 27

FEB 9 1979

Shell-Brotherson 1-2384R  
(D) Brinkerhoff #69  
12,650' Wasatch Test  
EL 6270' GR 2/10-12/79  
12-3/8" csg @ 248'

2/10: 3830/65/9/530. Drig.

Mud: (.431) 8.3

2/11: 4327/65/10/497. Drig.

Mud: (.431) x 8.3

2/12: 4830/65/11/503. Drig. Dev: 1 deg @ 4327'.

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS, AND MINING

SUBMIT IN TRIPLICATE\*  
(Other instructions on  
reverse side)

### SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals.)

5. LEASE DESIGNATION AND SERIAL NO.

PATENTED

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

BROTHERSON

9. WELL NO.

1-2384R

10. FIELD AND POOL, OR WILDCAT

ALTAMONT

11. SEC., T., R., M., OR BLM. AND SURVEY OR AREA

NW 1/4 NE 1/4 T2S R4W

12. COUNTY OR PARISH 13. STATE

DuchesneUtah

1. OIL WELL ☒ GAS WELL ☐ OTHER ☐

2. NAME OF OPERATOR

Shell Oil Company

3. ADDRESS OF OPERATOR

P.O. Box 831 Houston, TX 77001 ATTN: PG GELING RM #6459 WCK4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.\*  
See also space 17 below.)

At surface

747' FNL + 2380' FEL Sec. 23

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, OR, etc.)

6290' KB

16.

#### Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

## NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF ☐FRACTURE TREAT ☐SHOOT OR ACIDIZE ☒REPAIR WELL ☐(Other) ☐PULL OR ALTER CASING ☐MULTIPLE COMPLETE ☐ABANDON\* ☐CHANGE PLANS ☐

## SUBSEQUENT REPORT OF:

WATER SHUT-OFF ☐FRACTURE TREATMENT ☐SHOOTING OR ACIDIZING ☐(Other) ☐REPAIRING WELL ☐ALTERING CASING ☐ABANDONMENT\* ☐

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

SEE ATTACHED

APPROVED BY THE STATE  
OF UTAH DIVISION OF  
OIL, GAS, AND MINING

DATE: 6/30/82BY: [Signature]

18. I hereby certify that the foregoing is true and correct

SIGNED [Signature]W. F. N. KELLDORFTITLE DIVISION PROD. ENGINEERDATE 6-16-82

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_  
CONDITIONS OF APPROVAL, IF ANY:

TITLE \_\_\_\_\_

DATE \_\_\_\_\_



REMEDIAL PROGNOSIS  
BROTHERSON 1-23B4R  
SECTION 23, T2S, R4W  
DUCHESNE COUNTY, UTAH  
ALTAMONT FIELD

Pertinent Data:

Elevation "KB": 6,290'

Elevation "GL": 6,270'

KB-GL: 20'

Casing: 13-3/8", K-55, ST&C at 248' (weight not reported)

9-5/8", K-55 LT&C at 6,280' (weight not reported)

7", 26#, S-95 at 10,690'

Liner: 5", 18# SFP Hydril, P-110 at 12,650'; Burns liner hanger at 10,474'

Packer: 7" fullbore packer to 10,412'

Perforations: 10,673'-12,590' (337 holes)

Objective: Clean out and stimulate perforations.

Procedure:

1. MIRU. Load hole with clean produced water containing 5 gallons/100 bbls. Tretolite Xcide 102 Biocide. Remove tree. Install BOPE as per Attachment II.
2. Pull tubing and 7" fullbore packer.
3. RIH with 4-1/4" bit or mill and 5" scraper and clean out 5" liner. POOH
4. RIH with tubing and 5" fullbore packer. Set at 10,630'±.
5. Acid treat perf's (10,673'-12,590', 337 holes) with 30,000 gallons 15% HCl.
  - a. Pump 1,000 gallons of acid to establish injection rate.
  - b. Pump 4,000 gallons of acid, dropping one ball sealer (7/8" RCH with 1.2 s.g.) every 80 gallons.
  - c. Pump 1,000 gallons acid containing 1000# benzoic acid flakes.
  - d. Repeat step (b) five more times and step (c) four more times for a total of six stages acid and five of diverting material (total 30,000 gallons acid and 300 ball sealers).
  - e. Flush with 100 bbls. of clean produced water containing five gallons Tretolite Xcide 102 Biocide.

- Notes:
1. All acid and flush to contain five lbs. J-120/1,000 gallons HCl or equivalent for  $\pm 60\%$  friction reduction and 1.0# 20-40 mesh RA sand per 1,000 gallons (no RA sand in flush).
  2. All acid to contain sufficient inhibitor for four hours exposure at 210°F and necessary surfactant (tested for compatibility with formation fluids) and 1 gallon Nalco's Visco 4987/100 gallons acid.
  3. Maintain 2500 psi surface casing pressure during treatment if possible.
  4. Pumping rates: pump at maximum possible without exceeding 6500 psi differential pressure between tubing and annulus.
  5. Increase amount of diverting material if necessary to obtain a gradual increase in treating pressure and/or decrease in rate.
  6. Record ISIP and shut-in pressure decline for at least 20 minutes.
6. Run RA log from PBTD to 10,600'±.
  7. POOH with tubing and packer. RIH with packer, mandrels, and valves (gas lift design same as pulled) with Baker model "C" fullbore packer and set packer at 10,630'±. Return well to production.

W.F.N.K.

Recommended: RFK  
4-14-82

P.K.D. 4/14/82

Approved: W.F.N.K.

DATE 4/15/82

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS, AND MINING

## SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. Patented
2. NAME OF OPERATOR Shell Oil Company		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
3. ADDRESS OF OPERATOR P.O. Box 831, Houston, Texas 77001		7. UNIT AGREEMENT NAME Altamont
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 747' FNL & 2380' FEL, Section 23		8. FARM OR LEASE NAME Brotherson
14. PERMIT NO.		9. WELL NO. 1-23BARD
15. ELEVATIONS (Show whether DF, RT, OR, etc.) 6290' KB		10. FIELD AND POOL, OR WILDCAT Altamont
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA NE 1/4, NE 1/4, Section 23, T2S, R4W
		12. COUNTY OR PARISH Duchesne
		13. STATE Utah

## 16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

## NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

☐  
☐  
☒  
☐

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other)

PULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON\*

CHANGE PLANS

☐  
☐  
☐  
☐

## SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

☐  
☐  
☒

REPAIRING WELL

ALTERING CASING

ABANDONMENT\*

☐  
☐  
☐

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

See attachment.

18. I hereby certify that the foregoing is true and correct

W. F. N. KELLDORF

SIGNED

TITLE

Div. Prod. Eng.

DATE

10/22/00

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

ALTAMONT OPERATIONS  
DAILY COMPLETIONS AND REMEDIALS REPORT  
WELL HISTORY FOR WELL 341  
ISSUED 09/22/82

WELL: BROTHERRSON 1-23B4R  
LABEL: FIRST REPORT  
AFF: 571017  
FOREMAN: BARRY THOMPSON  
RIG: WOH 19  
OBJECTIVE: CO AND STIMULATE.  
AUTH. AMNT: 84000  
DAILY COST: 3250  
CUM COST: 3250  
DATE: 8-26-82  
ACTIVITY: AFE 571017 PROVIDES FUNDS 84000 TO CO AND STIM.  
\*02\* THE PERFORATIONS. RIG UP REMOVE TREE INSTALL BOP.  
\*03\* PULL TBG. AND PKR. RIH WITH MILL. SDON.

LABEL: -----  
DAILY COST: 8600  
CUM COST: 11850  
DATE: 8-27 THRU 8-31-82  
ACTIVITY: 8-27-82 ACTIVITY: RIH W/4 1/8 INCH MILL CLEANED  
\*02\* OUT 5 INCH LINER. S.D.O.N. 8-28-82 ACTIVITY: RIH W/  
\*03\* TBG. AND 5 INCH FULLBORE PKR. S.D.O.N. 8-29-82 SUNDAY.  
\*04\* 8-30-82 DAILY COST 75350 CUM. COST 78600 ACTIVITY:  
\*05\* REMOVE BOP PUT ON 10000 LBS. TREE. R.U. NOWSCO.  
\*06\* ACIDIZE ACCORDING TO PROG. MAX PSI 8800 MAX RATE  
\*07\* 16.2 AVG PSI 8219 AVG RATE 14.8 MIN. PSI 7638  
\*08\* MIN. RATE 13.4 ISIP 3650 5 MIN. 2200 10 MIN 1460  
\*09\* 15 MIN. 1000 20 MIN 110 CSG. PSI 2500. BALLS 300  
\*10\* BAF 6500 LBS. ACID 714 BBLS. FLUSH 100 BBLS. TOTAL  
\*11\* 814 BBLS. R.D. NOWSCO R.U. OWP. RAN RA LOG FROM  
\*12\* 12583 FT. PLUS OR MINUS TO 10600 PLUS OR  
\*13\* MINUS. PULLED OUT OF HOLE W/OWP STARTED OUT OF HOLE  
\*14\* W/PKR. S.D.O.N. 8-31-82 DAILY COST 2950 CUM. COST  
\*15\* 81550 ACTIVITY: FINISHED COMING OUT OF HOLE W/TBG.  
\*16\* AND PKR. RIH W/PKR. MANDRELS AND  
\*17\* VALVES. SET GUIBERSON PKR. AT 10624 FT. RETURNED  
\*18\* WELL TO PRODUCTION. THIS WILL BE THE LAST RIG  
\*19\* REPORT BUT THERE WILL BE TEST DATA INPUT.

LABEL: FINAL REPORT  
CUM COST: 81550  
DATE: 9-2 THRU 9-8-82

ALTAMONT OPERATIONS  
DAILY COMPLETIONS AND REMEDIALS REPORT  
WELL HISTORY FOR WELL 341  
ISSUED 09/22/82

ACTIVITY: ON 8-31-82 THE RIG MOVED OFF THIS LOCATION. THE  
 \*02\* FOLLOWING TEST DATA IS FOR 24 HRS. UNLESS STATED  
 \*03\* OTHERWISE. IF THE TBG. CHOKE OR TBG PSI IS NOT LISTED  
 \*04\* DAILY IT IS THE SAME AS THE DAY BEFORE. 9-2-82 160  
 \*05\* OIL 492 WTR 849 MCF GAS 502 INJ. 64/64 TBG CHOKE  
 \*06\* 12 INJ. CHOKE. 120 TBG PSI. 9-3-82 71 OIL 225 WTR  
 \*07\* 1031 MCF GAS 450 INJ. 9-4-82 50 OIL 337 WTR 859 MCF  
 \*08\* 465 INJ. 150 TBG PSI 9-5-82 56 OIL 386 WTR 859MCF  
 \*09\* 505 INJ. TBG PSI 200 9-6-82 59 OIL 404 WTR 859 MCF GAS  
 \*10\* 503 INJ. 100 TBG PSI 9-7-82 68 OIL 484 WTR 859 MCF GAS  
 \*11\* 614 INJ. 150 TBG PSI 9-8-82 82 OIL 600 WTR 975 MCF GAS  
 \*12\* 754 INJ. 150 TBG PSI  
 \*13\* THIS IS A FINAL REPORT ON THIS LOCATION

Shell Oil Company



P.O. Box 831  
Houston, Texas 77001

December 30, 1983

Mr. Norm Stout  
State of Utah  
Natural Resources  
Division of Oil, Gas & Mining  
4241 State Office Building  
Salt Lake City, UT 84114

Dear Mr. Stout:

TRANSFER OF OWNERSHIP AND ASSETS  
FROM SHELL OIL COMPANY TO  
SHELL WESTERN E&P INC.  
STATE OF UTAH

In accordance with our recent conversation, the purpose of this letter is to reduce to writing that Shell Western E&P Inc. ("SWEPI"), a subsidiary of Shell Oil Company, has been formed. Shell Western E&P Inc. is a Delaware corporation with its offices located at 200 North Dairy Ashford Road in Houston, Texas. The mailing address is P. O. Box 831, Houston, TX 77001.

Effective January 1, 1984, Shell Oil Company will transfer portions of its oil and gas operations to Shell Western E&P Inc. and Shell Western E&P Inc. will assume all of the rights, interests, obligations and duties which Shell Oil Company currently has as a result of its exploration, development and production operations in the State of Utah.

As you are aware, Shell Oil Company is currently the holder of various permits and agency authorizations. In view of the fact that Shell Western E&P Inc. will assume all of the liabilities and obligations of Shell Oil Company's exploration and production activities within the state, we respectfully request that you transfer all permits or other authorizations from Shell Oil Company to Shell Western E&P Inc., effective January 1, 1984.

To support this request, a copy of the power of attorney appointing the undersigned as Attorney-in-Fact for Shell Western E&P Inc. is enclosed. On behalf of Shell Western E&P Inc., enclosed are recently issued Bond No. Shell 1835 and Bond No. Shell 1841. The bonds were issued by the Insurance Company of North America. In the near future, I shall request that the existing Shell Oil Company bonds be released.

It is my understanding, pursuant to our prior discussion, that this letter will comply with your requirement regarding the change in the name of the permittee.

Sufficient copies of this letter are being provided to your office so that a copy can be placed in each appropriate file. A listing of active wells is enclosed. Thank you in advance for your cooperation in this matter.

Yours very truly,

*G. M. Jobe*

G. M. Jobe  
Administrator, Regulatory-Permits  
Rocky Mountain Division  
Western E&P Operations

GMJ:beb

Enclosures

## MONTHLY OIL AND GAS PRODUCTION REPORT

Operator name and address:

UTEX OIL CO.  
% SHELL WESTERN E&P INC.

PO BOX 576

HOUSTON

TX

77001

ATTN: P.T. KENT, OIL ACCT.

Operator name

change

Utah Account No. N0840

Report Period (Month/Year) 8 / 84

Amended Report ☐

Well Name	Entity	Location	Producing Zone	Days Oper	Production Volume Oil (BBL)	Gas (MSCF)	Water (BBL)
MILES 1-35A4							
4301330029	01965	01S 04W 35	WSTC	22	1677	1802	5722
SHELL B. TEE 1-23B4							
4301330038	01970	02S 04W 23	GR-WS	TA 4/79	0	0	0
BROTHERSON 2-2B4							
4301330855	08420	02S 04W 2	WSTC	31	10958	13758	509
BORTON 1-15B5							
4301330128	08421	02S 05W 15	WSTC	31	372	0	5854
BROTHERSON 1-23B4R							
4301330483	08423	02S 04W 23	WSTC	27	2396	0	10423
BLUFF 33-4							
4303715866	08425	40S 23E 4	PRDX	SHUT IN 1958	0	0	0
L.B.S. CHURCH 2-27B5							
4301330340	99996	02S 05W 27	UNTA	WATER SHUT	0	0	0
TOTAL					15406	15560	22507

Comments (attach separate sheet if necessary)

I have reviewed this report and certify the information to be accurate and complete.

Date

9-28-84

Telephone

Authorized signature



STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS, AND MINING

3. MIT IN TRIPLICATE  
(Other instructions on  
reverse side)

010908A

# SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO.
2. NAME OF OPERATOR ANR Limited Inc.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
3. ADDRESS OF OPERATOR P. O. Box 749, Denver, Colorado 80201-		7. UNIT AGREEMENT NAME
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface See attached list		8. FARM OR LEASE NAME Brotherson
14. PERMIT NO. 43-013-30483		9. WELL NO. 1-23B4R
15. ELEVATIONS (Show whether OF, ST, OR, etc.)		10. FIELD AND POOL, OR WILDCAT
16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 23 25 4w
17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*		12. COUNTY OR PARISH 13. STATE Wichita

RECEIVED  
DEC 31 1986

DIVISION OF  
OIL, GAS & MINING

## NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF ☐FRACTURE TREAT ☐SHOOT OR ACIDIZE ☐REPAIR WELL ☐

(Other) - Change Operator

PULL OR ALTER CASING ☐MULTIPLE COMPLETE ☐ABANDON\* ☐CHANGE PLANS ☐

X

## SUBSEQUENT REPORT OF:

WATER SHUT-OFF ☐FRACTURE TREATMENT ☐SHOOTING OR ACIDIZING ☐(Other) ☐REPAIRING WELL ☐ALTERING CASING ☐ABANDONMENT\* ☐

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

ANR Limited has been elected successor Operator to Utex Oil Company on the oil wells described on the attached Exhibit "A".

18. I hereby certify that the foregoing is true and correct

SIGNED

TITLE

DATE

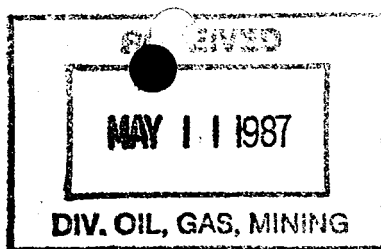
(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:



**ANR Limited Inc.**  
a subsidiary of The Coastal Corporation

-- May 5, 1987

Division of Oil, Gas and Mining  
3 Triad Center - Suite 350  
Salt Lake City, Utah 84180-1203

Attention: Mr. Gil Hunt

Re: Application for Injection Well  
Lake Fork #2-23B4 SWD  
Section 23, T2S, R4W  
Altamont Field  
Duchesne County, Utah

Gentlemen:

Enclosed please find an application for an injection well (Form DOGM-UIC) to convert Lake Fork #2-23B4 into a disposal well for injection of produced lease water from ANR Ltd-operated wells in the Altamont Field.

Lake Fork #2-23B4 was formerly named Brotherson #1-23B4 which Shell Oil Company drilled and completed as a Green River producer (API No. 43-013-30038). Currently Brotherson #1-23B4 is temporarily abandoned and has been since April 1979 when Shell drilled and completed Brotherson #1-23B4R as a replacement well for Brotherson #1-23B4 in Section 23. Brotherson #1-23B4R was completed in the Wasatch. In order to avoid confusion we intend to refer to Brotherson #1-23B4 as Lake Fork #2-23B4 SWD. Changing the lease name and well number reflects a new surface owner and the second well in the section.

We propose to inject produced lease water into the Uintah formation through 258 feet of perforations over a gross interval from 2782' to 5831'. Attached is our SWD Conversion Procedure which will list each perforation. From the attached wellbore diagram please notice that top of cement on the 7" casing is at 5454' (see cement bond log). This cement top leaves 2672' of gross interval without cement isolation. We will circulate cement to surface to provide this isolation. The state will be provided with the cementing data, cement bond log and casing integrity tests prior to any injection.

Brotherson #1-23B4R is the only active or abandoned well within a 1/2-mile radius of Lake Fork #2-23B4. This well is located in Section 23 along with Lake Fork #2-23B4 and is operated by ANR Ltd. Reviewing the mechanical

Division of Oil, Gas and Mining  
May 5, 1987  
Page 2

condition of the wellbore in Brotherson #1-23B4R 9-5/8" surface casing was set at 6280' and cemented to surface by Shell. No conduit should exist that could enable fluids to migrate up or down since the casing is protected with cement across the proposed injection interval (2782-5831').

Accompanying this application are additional exhibits required under Rule 502 (Requirements for Class II Injection Wells). If any additional information is needed please call me at (303) 573-4488.

Sincerely,



REC:mem

Rodney E. Cox  
Production Engineer

Enclosures

cc: F. R. Midkiff/L. P. Streeb/Well File  
Jon Nelsen

# ANR

**ANR Production Company**  
a subsidiary of The Coastal Corporation

RECEIVED  
JAN 25 1988

012712

DIVISION OF  
OIL, GAS & MINING

January 19, 1988

Natural Resources  
Oil, Gas & Mining  
3 Triad Center, Suite 350  
Salt Lake City, Utah 84180-1203

Attention: Ms. Lisha Romero

This letter includes the information you requested on January 12, 1988 concerning the recent merger of ANR Limited, Inc. into ANR Production Company. Effective December 31, 1987 (December, 1987 Production), ANR Limited, Inc. merged into ANR Production Company; and henceforth, will continue operations as ANR Production Company.

ANR Production Company will begin reporting and remitting the Utah Conservation and Occupation Taxes effective December, 1987 production for leases previously reported by ANR Limited, Inc. (Utah Account No. N-7245). ANR Production Company will use the new Utah Account No. N-0675, as assigned by the State of Utah.

Please contact me at (713) 877-6167 if I can answer any questions on this matter.

Very truly yours,

*Roger W. Sparks*  
Roger W. Sparks  
Manager, Crude Revenue Accounting

*The computer shows the  
ANR Limited wells listed  
under account no. N0235.  
DTS  
1-26-88*

CC: AWS

CTE:mmw

Lisha,

*I don't see any problem w/this.  
I gave a copy to Arlene so  
she could check on the bond  
situation. She didn't think this  
would affect their bond as the  
bond is set up for Coastal  
and its subsidiaries (ANR, etc.)  
No Entity Number changes are  
necessary. DTS 1-26-88*

UTAH  
NATURAL RESOURCES  
Oil, Gas & Mining355 West North Temple, 3 Triad Center, Suite 350, Salt Lake City, Ut  
84106-1203, (801-538-5340)Page 10 of 10

## MONTHLY OIL AND GAS PRODUCTION REPORT

Operator name and address:

• ANR LIMITED INC./COASTAL  
P O BOX 749  
DENVER CO 80201 0749  
ATTN: RANDY WAHL

Utah Account No. N0235Report Period (Month/Year) 11 / 87Amended Report ☐

Well Name			Producing Zone	Days Oper	Production Volume		
API Number	Entity	Location			Oil (BBL)	Gas (MSCF)	Water (BBL)
BROTHERSON 2-2B4							
4301330855 08420 02S 04W 2			WSTC				
BURTON 1-15B5							
4301330128 08421 02S 05W 15			WSTC				
BROTHERSON 1-23B4R							
4301330483 08423 02S 04W 23			WSTC				
HANSON TRUST 2-29A3							
4301331043 10205 01S 03W 29			WSTC				
BABCOCK 2-12B4							
4301331005 10215 02S 04W 12			WSTC				
ELSWORTH #2-16B4							
4301331046 10217 02S 04W 16			WSTC				
UTE TRIBAL #2-33Z2							
4301331111 10451 01N 02W 33			WSTC				
ROBB 2-29B5							
4301331130 10454 02S 05W 29			WSTC				
HANSON 2-9B3							
4301331136 10455 02S 03W 9			WSTC				
MURDOCK 2-34B5							
4301331132 10456 02S 05W 34			WSTC				
LINDSAY 2-33A4							
4301331141 10457 01S 04W 33			WSTC				
UTE 2-31A2							
4301331139 10458 01S 02W 31			WSTC				
JENKINS #2-12B3							
4301331121 10459 02S 03W 12			WSTC				
TOTAL							

Comments (attach separate sheet if necessary)

I have reviewed this report and certify the information to be accurate and complete.

Date

Authorized signature

Telephone



Norman H. Bangerter

Governor

Dee C. Hansen

Executive Director

Dianne R. Nielson, Ph.D.

Division Director

# State of Utah

DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

355 West North Temple  
3 Triad Center, Suite 350  
Salt Lake City, Utah 84180-1203  
801-538-5340

December 29, 1988

## MEMO TO FILE

FROM: Vicky Carney

RE: Brotherson 1-23B4 API # 43 013 30038 SEC 23 T02S R04W  
Brotherson 1-23B4R API # 43 013 30483 SEC 23 T02S R04W

The production and the drilling information for these wells was combined. Both files have been sorted and separated into individual files. This action changed the CUM for both wells so the enclosed CUM on the posted sheets cannot be used. Use the work-up sheets or the computer for an accurate ATC.

Brotherson 1-23B4 First production was 1-29-71 in the GRRV producing zone. The well was TA'd in April 1979. The well name was changed to Brotherson 2-23B4 then changed again to Lake Fork 2-23B4. The well is now a Salt Water Disposal well and commenced injection 1-7-88. 1985 FNL 2131 FWL.

Brotherson 1-23B4R This well was drilled as a replacement well for the Brotherson 1-23B4. First production was 5-8-79 in the WSTC producing zone. This well is a producing well as of this date. 0747 FNL 2380 FEL.

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING

<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  <small>Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells. Use APPLICATION FOR PERMIT TO DRILL OR DEEPEN form for such proposals.</small>		5. Lease Designation and Serial Number: Patented
		6. If Indian, Allottee or Tribe Name: N/A
		7. Unit Agreement Name: N/A
1. Type of Well: OIL <input checked="" type="checkbox"/> GAS <input type="checkbox"/> OTHER:		8. Well Name and Number: Brotherson 1-23B4R
2. Name of Operator: ANR Production Company		9. API Well Number: 43-013-30483
3. Address and Telephone Number: P. O. Box 749      Denver, CO 80201-0749      (303) 573-4476		10. Field and Pool, or Wildcat: Altamont
4. Location of Well Footages:      19      747' FNL & 2380' FEL CO, Sec., T., R., M.:      NW/NE Section 23, T2S-R4W County:      Duchesne State:      Utah		

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

NOTICE OF INTENT (Submit in Duplicate)	SUBSEQUENT REPORT (Submit Original Form Only)
<div style="display: flex; justify-content: space-between;"> <div style="width: 48%;"> <input type="checkbox"/> Abandonment  <input type="checkbox"/> Casing Repair  <input type="checkbox"/> Change of Plans  <input type="checkbox"/> Conversion to Injection  <input type="checkbox"/> Fracture Treat  <input type="checkbox"/> Multiple Completion  <input type="checkbox"/> Other _____           </div> <div style="width: 48%;"> <input type="checkbox"/> New Construction  <input type="checkbox"/> Pull or Alter Casing  <input type="checkbox"/> Recompletion  <input type="checkbox"/> Shoot or Acidize  <input type="checkbox"/> Vent or Flare  <input type="checkbox"/> Water Shut-Off           </div> </div>	<div style="display: flex; justify-content: space-between;"> <div style="width: 48%;"> <input type="checkbox"/> Abandonment *  <input type="checkbox"/> Casing Repair  <input type="checkbox"/> Change of Plans  <input type="checkbox"/> Conversion to Injection  <input type="checkbox"/> Fracture Treat  <input checked="" type="checkbox"/> Other <u>Ran Sidestring &amp; Production Log</u> </div> <div style="width: 48%;"> <input type="checkbox"/> New Construction  <input type="checkbox"/> Pull or Alter Casing  <input type="checkbox"/> Shoot or Acidize  <input type="checkbox"/> Vent or Flare  <input type="checkbox"/> Water Shut-Off           </div> </div>
Approximate date work will start _____	Date of work completion <u>7/7/93</u>  <small>Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION AND LOG form. * Must be accompanied by a cement verification report.</small>

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Please see the attached chronological history for the sidestring and production log run on the above referenced well.

RECEIVED

AUG 14 1993

DIVISION OF  
OIL, GAS & MINING

13. Name & Signature: Eileen Danni Dey Title: Regulatory Analyst Date: 7/28/93

(This space for State use only)

THE COASTAL CORPORATION  
PRODUCTION REPORT

CHRONOLOGICAL HISTORY

BROTHERSON #1-23B4R (RUN SIDESTRING & PRODUCTION LOG)

PAGE 3

ALTAMONT/BLUEBELL FIELD

DUCHESNE COUNTY, UTAH

WI: 75.0% ANR AFE: 64662

TD: 11,232'

5" LINER @ 9,489'-11,232'

PERFS: 8,912'-11,220'

CWC(M\$): 54.6

- 6/30/93 NU BOP. Do pre-trip inspection. Spot & RU rig. H.O.T. had 200 BW down csg. Bleed off tbg press. LD HH, polish rod & 2 - 2' x 1" rods. POOH w/116 - 1" & 41 - 7/8" to pin break, btm #41 @ 3950' (Norris-97, 1989). Dress 2-5/16" OS with 1-13/16" sleeve cage. RIH w/40 - 7/8" & 116 - 1". PU 3 - 1" rods. Work over & latch fish @ 3950'. Work rods to unseat pump. Flush rods w/50 BW. Re-seat pump, fill w/35 bbls. PT tbg to 1000#, held. Unseat pump. LD 3 - 1" rods. POOH w/116 - 1". LD 119 - 7/8". POOH w/ 119 - 3/4" & 5 - 1". LD Nat'l 2-1/2" x 1-3/4" x 26' rod pump.  
DC: \$4,243 TC: \$4,243
- 7/1/93 Cont POOH w/2-7/8" tbg. H.O.T. pmpd 100 bbls down tbg by 7:00 a.m. PU on tbg hanger & add 6' x 2-7/8" sub below hanger. Re-land hanger. NU BOP. RU floor. PU on tbg & rls 7" 26# TAC form 10,457'. LD hanger & sub. POOH w/219 jts 2-7/8" EUE tbg while CO to beveled collars. Note: Collars are tight.  
DC: \$3,799 TC: \$8,042
- 7/2/93 Cont RIH w/2-7/8" tbg. H.O.T. pmpd 100 bbls down csg by 7:00 a.m. Cont POOH w/2-7/8" changing collars. POOH w/121 jts (340 total out). LD 42 jts (15 jts bad). LD 2 paraffin miracle tools & prod BHA. CO 299 collars total. RD floor. Pmpd 130 BW down csg. ND BOP, ND CIW tbg spool. NU dual string tbg spool. NU 1 - 7" 5000# spool & BOP. PT void to 3500#, held. RU floor. PU prod BHA w/7" 26# TAC & Y-tool. SLM as RIH w/40 jts 2-7/8" tbg.  
DC: \$3,878 TC: \$11,920
- 7/6/93 Cont PU 2-1/16" tbg. Cont RIH w/2-7/8" tbg. Ran 258 jts. Have 298 jts to PSN. Set 7" 26# TAC @ 9144' in 18,000# tension w/PSN @ 9083', Y-tool @ 9093'. Land tbg hanger. ND BOP. Remove sub from below hanger. NU BOP. PU Y-tool stinger. PU 213 jts 2-1/16" FS-150 tbg while drifting w/1-1/2" sinker bars. SDFN w/stinger @ 6708'.  
DC: \$6,848 TC: \$18,768
- 7/7/93 Well on pump. Cont PU 2-1/16" FS-150 tbg. Space out. ND BOP. Latch into Y-tool. LC @ 9093'. Land 2-3/8" hanger in 6000# tension. NU adapter flange & prod "T". RU Delsco. Ran 1-3/8" sinker bars. Drift to 9250' (EOT @ 9147'). RD Delsco. Flush 2-7/8" w/70 BW. RU for rods. PU 2-1/2" x 1-3/4" x 26' Nat'l pump (HP-933). RIH w/5 - 1" & 119 - 3/8". PU 119 - 7/8". RIH w/117 - 1" rods. Seat pump. PT to 500#. Good pump action. Turn over to production @ 7:00 p.m.  
DC: \$14,779 TC: \$33,547
- 7/8/93 Well on pump. RD rig. PU fence, clean location, load trailers. MO. Final report.  
DC: \$2,548 TC: \$36,095



STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING

# SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells.  
Use APPLICATION FOR PERMIT TO DRILL OR DEEPEN form for such proposals.

1. Type of Well: OIL <input checked="" type="checkbox"/> GAS <input type="checkbox"/> OTHER:		5. Lease Designation and Serial Number: Patented
2. Name of Operator: ANR Production Company		6. If Indian, Allottee or Tribe Name: N/A
3. Address and Telephone Number: P. O. Box 749 Denver, CO 80201-0749 (303) 573-4476		7. Unit Agreement Name: N/A
4. Location of Well Footages: 747' FNL & 2380' FEL QQ, Sec., T., R., M.: NW/NE Section 23, T2S-R4W		8. Well Name and Number: Brotherson #1-23B4R
		9. API Well Number: 43-013-30483
		10. Field and Pool, or Wildcat: Altamont
		County: Duchesne State: Utah

## 11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

### NOTICE OF INTENT (Submit in Duplicate)

- |  |   |
|--|---|
| <input type="checkbox"/> Abandonment             | <input type="checkbox"/> New Construction     |
| <input type="checkbox"/> Casing Repair           | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans         | <input type="checkbox"/> Recompletion         |
| <input type="checkbox"/> Conversion to Injection | <input type="checkbox"/> Shoot or Acidize     |
| <input type="checkbox"/> Fracture Treat          | <input type="checkbox"/> Vent or Flare        |
| <input type="checkbox"/> Multiple Completion     | <input type="checkbox"/> Water Shut-Off       |
| <input type="checkbox"/> Other _____             |   |

Approximate date work will start \_\_\_\_\_

### SUBSEQUENT REPORT (Submit Original Form Only)

- |  |   |
|--|---|
| <input type="checkbox"/> Abandonment *   | <input type="checkbox"/> New Construction     |
| <input type="checkbox"/> Casing Repair   | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans   | <input type="checkbox"/> Shoot or Acidize     |
| <input type="checkbox"/> Conversion to Injection   | <input type="checkbox"/> Vent or Flare        |
| <input type="checkbox"/> Fracture Treat  | <input type="checkbox"/> Water Shut-Off       |
| <input checked="" type="checkbox"/> Other <u>Ran Sidestring &amp; Production Log (revised)</u> |   |

Date of work completion 8/4/93

Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION AND LOG form.

\* Must be accompanied by a cement verification report.

## 12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Please see the attached chronological history for the sidestring & production log ran on the above referenced well. This is a revised sundry notice (a prior sundry notice was submitted to your office with a date of 7/28/93). Subsequently, work was continued on this AFE on 8/2/93.

RECEIVED

AUG 20 1993

DIVISION OF  
OIL, GAS & MINING

13. Name & Signature: Eileen Danni Dey Title: Regulatory Analyst Date: 8/17/93

(This space for State use only)

THE COASTAL CORPORATION  
PRODUCTION REPORT

CHRONOLOGICAL HISTORY

BROTHERSON #1-23B4R (RUN SIDESTRING & PRODUCTION LOG)  
ALTAMONT/BLUEBELL FIELD  
DUCHESNE COUNTY, UTAH  
WI: 75.0% ANR     AFE: 64662

PAGE 4

8/3/93     Cont in hole w/prod tbg. POOH w/159 jts 2-1/16" tbg & MSOT stinger. NU BOP's. RIs 7" 26# TAC. POOH w/298 jts 2-7/8" tbg & BHA. ND BOP's & change out tbg spools, test to 2500 psi. NU BOP's & tally in hole w/7" 26# TAC, 4' 2-7/8" sub, 1 perf 2-7/8" jt, 43 jts 2-7/8" tbg.  
DC: \$3,374             TC: \$52,056

8/4/93     Final - well producing. RIH w/2-7/8" prod tbg. Set 7" TAC @ 10,447' in 20,000# tension w/PSN @ 9030'. ND BOP, NU prod "T". PU Nat'l 2-1/2" x 2-3/4" pump. RIH w/rods. Seat pump. PT to 500#, held. Good pump action. Space out 48" above dbl tag. Turn over to prod @ 6:00 p.m. Final report.  
DC: \$9,624             TC: \$61,680

THE COASTAL CORPORATION  
PRODUCTION REPORT

CHRONOLOGICAL HISTORY

BROTHERSON #1-23B4R (RUN SIDESTRING & PRODUCTION LOG)

PAGE 3

ALTAMONT/BLUEBELL FIELD

DUCHESNE COUNTY, UTAH

WI: 75.0% ANR AFE: 64662

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5" LINER @ 9,489'-11,232'

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CWC(M\$): 54.6

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DC: \$4,243 TC: \$4,243
- 7/1/93 Cont POOH w/2-7/8" tbg. H.O.T. pmpd 100 bbls down tbg by 7:00 a.m. PU on tbg hanger & add 6' x 2-7/8" sub below hanger. Re-land hanger. NU BOP. RU floor. PU on tbg & rls 7" 26# TAC form 10,457'. LD hanger & sub. POOH w/219 jts 2-7/8" EUE tbg while CO to beveled collars. Note: Collars are tight.  
DC: \$3,799 TC: \$8,042
- 7/2/93 Cont RIH w/2-7/8" tbg. H.O.T. pmpd 100 bbls down csg by 7:00 a.m. Cont POOH w/2-7/8" changing collars. POOH w/121 jts (340 total out). LD 42 jts (15 jts bad). LD 2 paraffin miracle tools & prod BHA. CO 299 collars total. RD floor. Pmpd 130 BW down csg. ND BOP, ND CIW tbg spool. NU dual string tbg spool. NU 1 - 7" 5000# spool & BOP. PT void to 3500#, held. RU floor. PU prod BHA w/7" 26# TAC & Y-tool. SLM as RIH w/40 jts 2-7/8" tbg.  
DC: \$3,878 TC: \$11,920
- 7/6/93 Cont PU 2-1/16" tbg. Cont RIH w/2-7/8" tbg. Ran 258 jts. Have 298 jts to PSN. Set 7" 26# TAC @ 9144' in 18,000# tension w/PSN @ 9083', Y-tool @ 9093'. Land tbg hanger. ND BOP. Remove sub from below hanger. NU BOP. PU Y-tool stinger. PU 213 jts 2-1/16" FS-150 tbg while drifting w/1-1/2" sinker bars. SDFN w/stinger @ 6708'.  
DC: \$6,848 TC: \$18,768
- 7/7/93 Well on pump. Cont PU 2-1/16" FS-150 tbg. Space out. ND BOP. Latch into Y-tool. LC @ 9093'. Land 2-3/8" hanger in 6000# tension. NU adapter flange & prod "T". RU Delsco. Ran 1-3/8" sinker bars. Drift to 9250' (EOT @ 9147'). RD Delsco. Flush 2-7/8" w/70 BW. RU for rods. PU 2-1/2" x 1-3/4" x 26' Nat'l pump (HP-933). RIH w/5 - 1" & 119 - 3/8". PU 119 - 7/8". RIH w/117 - 1" rods. Seat pump. PT to 500#. Good pump action. Turn over to production @ 7:00 p.m.  
DC: \$14,779 TC: \$33,547
- 7/8/93 Well on pump. RD rig. PU fence, clean location, load trailers. MO. Drop from report.  
DC: \$2,548 TC: \$36,095
- 8/2/93 Cont LD 2-1/16" tbg. RU rig. Work rods & unseat pump. POOH w/117 - 1", 119 - 7/8", 119 - 3/4" & 5 - 1". LD Nat'l pump, ND prod "T". ND dual adapter flange. Rls stinger from J-slot @ 9093'. NU spool & BOP. LD 2-3/8" hanger. LD 1 - 10', 1 - 8' & 2-1/16" subs. LD 129 jts 2-1/16" FS-150 tbg.  
DC: \$12,587 TC: \$48,682

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING

# SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells.  
Use APPLICATION FOR PERMIT TO DRILL OR DEEPEN form for such proposals.

1. Type of Well: OIL ☒ GAS ☐ OTHER:

2. Name of Operator:  
ANR Production Company

3. Address and Telephone Number:  
P.O. Box 749, Denver, CO 80201-0749

(303) 573-4476

4. Location of Well

Footages: 747' FNL & 2380' FEL

QQ, Sec., T., R., M.: NW/NE Section 23-T2S-R4W

5. Lease Designation and Serial Number:

Patented

6. If Indian, Allottee or Tribe Name:

N/A

7. Unit Agreement Name:

N/A

8. Well Name and Number:

Brotherson #1-23BR

9. API Well Number:

43-013-30483

10. Field and Pool, or Wildcat:

Altamont

County: Duchesne

State: Utah

## 11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

### NOTICE OF INTENT (Submit in Duplicate)

- |  |  |
|--|--|
| <input type="checkbox"/> Abandonment             | <input type="checkbox"/> New Construction            |
| <input type="checkbox"/> Casing Repair           | <input type="checkbox"/> Pull or Alter Casing        |
| <input type="checkbox"/> Change of Plans         | <input type="checkbox"/> Recompletion                |
| <input type="checkbox"/> Conversion to Injection | <input checked="" type="checkbox"/> Shoot or Acidize |
| <input type="checkbox"/> Fracture Treat          | <input type="checkbox"/> Vent or Flare               |
| <input type="checkbox"/> Multiple Completion     | <input checked="" type="checkbox"/> Water Shut-Off   |
| <input type="checkbox"/> Other                   |  |

Approximate date work will start 8/18/94

### SUBSEQUENT REPORT (Submit Original Form Only)

- |  |   |
|--|---|
| <input type="checkbox"/> Abandonment *           | <input type="checkbox"/> New Construction     |
| <input type="checkbox"/> Casing Repair           | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans         | <input type="checkbox"/> Shoot or Acidize     |
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| <input type="checkbox"/> Fracture Treat          | <input type="checkbox"/> Water Shut-Off       |
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Date of work completion

Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION AND LOG form.

\* Must be accompanied by a cement verification report.

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Please see the attached workover procedure for the subject well.

APPROVED BY THE STATE OF UTAH  
DIVISION OF OIL, GAS, AND MINING  
DATE: 8/10/94  
BY: [Signature]

AUG - 8 1994

13.

Name & Signature:

[Signature]

Title:

N.O. Shiflett  
Dist. Drlg. Manager

Date:

8/4/94

(This space for State use only)

## WATER SHUTOFF PROCEDURE

Brotherson #1-23B4R  
Altamont Field  
Duchesne County, Utah

### WELL DATA

Location: 747' FNL & 2380' FEL  
Elevation: 6269' GL, 6290' KB  
Total Depth: 12,652' PBD: 12,598'  
Casing: 13-3/8", 54.5#, K-55 set @ 248'  
9-5/8", 36#, K-55 set @ 6280'  
7", 26#, S-95 set @ 10,690'  
5", 18#, P-110 set 10,479-12,650'  
Tubing: 2-7/8", 6.5#, N-80 set @ 10,448' w/B-2 Anchor Catcher

### TUBULAR DATA

Description	ID	Drift	B/F Capacity	psi Burst	psi Collapse
7", 26#, S-95	6.276"	6.151"	.0382	8600	7800
5", 18#, P-110	4.276"	4.151	.0177	13940	13470
2-7/8", 6.5#, N-80	2.441"	2.347	.00579	10570	11160

Present Status: Well Presently producing 30 BO, 374 BW, & 141 MCFD on rod pump from Wasatch perfs 10,662-12,590'.

### PROCEDURE

1. MIRU service rig. Kill well. POOH with rods, pump, and tubing.
2. PU 6-1/8" mill on 6-1/8" casing scraper and 2-7/8" tubing and clean out 7" casing to 10,479'. POOH with tubing and mill. PU 4-1/8" mill on 4-1/8" casing scraper and 2-3/8" X 2-7/8" tubing and TIH cleaning out 5" liner to  $\pm 12,598'$ . POOH laying down mill and scraper.
3. Wireline set RBP at 11,500'. Dump 2 sx sand on top. PU 5" X 2-3/8" pkr. on 2-3/8" X 2-7/8" tubing and TIH. Set packer @ 11,090.
4. Pump 5000 gal. filtered produced water w/1 #/gal 240°F wax beads at highest rate possible @ 9000 psi. Reverse tubing POOH with tubing.  
Note: Continue pumping beads if zone does not squeeze off.
5. TIH with 2-3/8" X 2-7/8" tubing to RBP at 11,500'. Circulate sand off plug and retrieve. POOH with RBP.
6. If production is low enough to warrant, MIRU service rig and remove production equipment. PU 5" x 2-7/8" packer on 2-7/8", 7.9#, PH-6 tubing and TIH. Set packer @ 11,490'.
7. Acidize Wasatch perfs 11,520-12,590' with 9,000 gals 15% HCL with additives and 375 1.1 s.g. ball sealers as per enclosed procedure.  
A. Precede acid w/100 bbls water w/10 gal per 1000 scale inhibitor.

- B. All water to contain 3% KCL.
  - C. Acid to be pumped at maximum rate possible @ 9000 psig maximum pressure.
  - D. All fluids to be heated to 150°F.
8. Release packer and POOH resetting packer @  $\pm 10,550'$ .
9. Acidize Wasatch perms 10,662-11,060' with 6,000 gals 15% HCL with additives and 150 1.1 s.g. ball sealers as per attached procedure.
- A. Precede acid w/100 bbls water w/10 gal per 1000 scale inhibitor.
  - B. All water to contain 3% KCL.
  - C. Acid to be pumped at maximum rate possible @ 9000 psig maximum pressure with 1000 psi. on annulus.
  - E. All fluids to be heated to 150°F.
10. Flow back acid load. Unseat pkr and POOH, laying down packer.
11. Rerun production equipment and return well to production.

BROTHERSON #1-23B4R

SECTION 23-T2S-R4W  
ALTAMONT FIELD

DUCHESNE CO., UTAH

SURFACE CASING: 9-5/8", 36#, K-55 LT&C SET @  
6280'

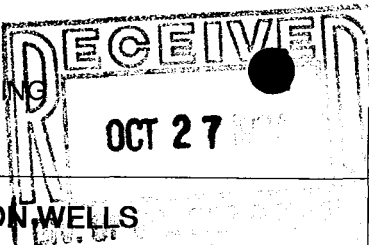
INTERMEDIATE CASING: 7", 26# S-95, LT&C SET  
@ 10,690'

PRODUCTION LINER: 5", 18#, P-110 SET @  
10,479-12,650'

TUBING: 2-7/8", 6.5#, N-80, EUE TUBING @  
10,448 W/ B-2 ANCHOR CATCHER

WASATCH PERFS: 10,662'-12,590'  
TOTAL 411 HOLES

TD @ 12,652'      PBD @ 12,598'



## SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells.  
Use APPLICATION FOR PERMIT TO DRILL OR DEEPEN form for such proposals.

5. Lease Designation and Serial Number:

Patented

6. If Indian, Allottee or Tribe Name:

N/A

7. Unit Agreement Name:

N/A

8. Well Name and Number:

Brotherson #1-23B4R

9. API Well Number:

43-013-30483

10. Field and Pool, or Wildcat:

Altamont

1. Type of Well:

OIL ☒ GAS ☐ OTHER:

2. Name of Operator:

ANR Production Company

3. Address and Telephone Number:

P.O. Box 749, Denver, CO 80201-0749

(303) 573-4476

4. Location of Well

Footages: 747' FNL &amp; 2380' FEL

County: Duchesne

QQ, Sec., T., R., M.: NW/NE Section 23-T2S-R4W

State: Utah

## 11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

## NOTICE OF INTENT

(Submit In Duplicate)

- |  |   |
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| <input type="checkbox"/> Other _____               |   |

Approximate date work will start \_\_\_\_\_

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(Submit Original Form Only)

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| <input type="checkbox"/> Convert to Injection                 | <input type="checkbox"/> Vent or Flare             |
| <input checked="" type="checkbox"/> Fracture Treat or Acidize | <input checked="" type="checkbox"/> Water Shut-Off |
| <input type="checkbox"/> Other _____                          |  |

Date of work completion 10/18/94

Report results of **Multiple Completions** and **Recompletions** to different reservoirs on WELL COMPLETION OR RECOMPLETION REPORT AND LOG form.

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Please see the attached chronological history for work performed in the subject well.

13.

Name &amp; Signature:

N.O. Shiflett  
Title: District Drilling Manager

Date: 10/25/94

(This space for State use only)



ANR PRODUCTION COMPANY  
CHRONOLOGICAL HISTORY

BROTHERSON #1-23B4R (SQUEEZE OFF WTR & ACIDIZE)  
ALTAMONT FIELD  
DUCHESNE COUNTY, UTAH  
WI: 75.0% ANR AFE: 00337  
TD: 12,652' PBTD: 12,598'  
5" LINER @ 10,479'-12,650'  
PERFS: 10,662'-11,590'  
CWC(M\$): 126.4

PAGE 5

- 9/14/94 POOH w/tbg.  
MIRU PU #1455. POOH to rod part & broken box on 13th 1" EL 91 rod @ 325'. Fish rods, unseat pump. POOH w/rods & pump. NU BOP. Rls 7" AC @ 10,454'. POOH w/107 jts 2" tbg to 7292'. CC: \$3,347
- 9/15/94 PU CO assembly.  
POOH w/2" tbg & BHA. PU 7" csg scraper & 344 jts 2" tbg. Tag 5" liner @ 10,485' SLM. POOH w/344 jts 2" tbg & 7" csg scraper. CC: \$6,425
- 9/16/94 RIH w/5" RBP.  
RIH w/4" mill. CO assembly. Tag fill @ 12,516'. CO to PBTD @ 12,598'. POOH w/325 jts 2" tbg. LD CO assembly & 4" mill. Btm 3 jts plugged w/scale. CC: \$11,803
- 9/17-18/94 SD for weekend.
- 9/19/94 RU Dowell to sqz off wtr in Wasatch @ 11,160'-11,470'.  
RU Cutters. RIH w/5" RBP & set @ 11,500'. POOH, spot 1 sx bauxite on RBP. RIH w/5" HD pkr, 24 jts PH-6 tbg, 5" No-Go & 317 jts 2" PH-6 tbg to 10,611'. CC: \$23,275
- 9/20/94 RIH w/retrieving head.  
RIH w/16 jts PH-6 tbg, set pkr @ 11,080'. RU Dowell. Pump 5000 gal prod wtr w/1 ppg 240° wax beads @ 10 BPM w/7200# for 20 min to sqz off wtr zone @ 11,160'-11,470'. Pressure increased to 9000# w/30 bbls remaining in tbg. Pump 1.5 BPM to maintain 9000#. Displace to btm perf @ 11,465'. MTP 9000#, ATP 7200#, MTR 16 BPM, ATR 10 BPM. ISIP 8700#, 15 min 190#. Rls pkr - unable to reverse clean. POOH (wet) w/337 jts PH-6 tbg & 5" HD pkr. Btm 70 jts full of beads, 5 jts plugged solid. Total load 252 bbls. CC: \$44,449
- 9/21/94 RIH w/bladed mill to CO fill.  
RIH w/retrieving head, tag fill @ 11,485' (RBP @ 11,500'). Pump 380 BW to fill well. Unable to reverse circ - tbg was plugged due to wax beads. POOH (wet). Btm 10 jts plugged solid w/melted wax beads. CC: \$49,399
- 9/22/94 LD PH-6 tbg.  
RIH w/4" drag bit to 6033'. Pump 335 BW to est circ. Circ w/165 BW (no beads in returns). RIH to 10,448'. Est circ & circ w/200 BW (small amt of beads). RIH to 11,114'. CO from 11,114' to sand on top of RBP @ 11,485' (heavy amt of fused beads in returns). Circ clean. LD 70 jts PH-6 tbg to 9310'. CC: \$56,192
- 9/23/94 RIH to pkr to swab test sqz.  
LD 300 jts 2" PH-6 tbg & 4" drag bit. PU 5" HD pkr. RIH w/5" pkr & 343 jts 2" tbg to 10,435'. CC: \$60,549
- 9/24-25/94 SD for weekend.
- 9/26/94 Prep to est inj rate & sqz.  
RIH w/23 jts 2" tbg, set 5" HD pkr @ 11,079'. RU swab. Made 23 runs & rec 122 BW & 21 BO/10 hrs, FFL @ 7500', feed-in rate 13 BPH, tr oil. CC: \$64,467

ANR PRODUCTION COMPANY  
CHRONOLOGICAL HISTORY

BROTHERSON #1-23B4R (SQUEEZE OFF WTR & ACIDIZE)  
ALTAMONT FIELD  
DUCHESNE COUNTY, UTAH  
WI: 75.0% ANR AFE: 00337

PAGE 6

- 9/27/94 RIH w/cmt stinger for sqz.  
RU swab, tag FL @ 7500'. Est injection rate into wtr zone @ 11,160'-11,470', 4 BPM @ 700# (had indication of communication to annulus). Rls pkr @ 11,079'. Test pkr & RBP to 2000# - held. POOH w/376 jts 2 1/2" tbg & 5" pkr. RU Cutters. RIH & set 5" cmt ret @ 11,075'. RIH w/cmt ret, stinger & 262 jts 2 1/2" tbg to 8244'. CC: \$70,098
- 9/28/94 RIH w/bladed mill to DO sqz.  
RIH w/112 jts tbg. Sting into cmt ret @ 11,075'. Pump 371 BW to fill csg, maintain 200# @ 1.8 BPM. RU Halliburton. Est injection rate of 3 BPM @ 500#. Sqz perfs @ 11,160'-11,470' w/200 sx Class "H" cmt w/Silica sand, 15.9#, 53.4 bbls. Sqz'd to 2100#, left 143 sx below retainer. Pull out of cmt retainer 25' & rev circ out 55 sx cmt. POOH w/364 jts tbg & stinger. RIH w/4 1/2" bladed mill & 102 jts 2 1/2" tbg to 3152'. CC: \$82,658
- 9/29/94 Drlg cmt @ 11,077'.  
RIH w/2 1/2" tbg, tag cmt @ 11,050'. Pump 400 BW to est circ. DO cmt to retainer @ 11,075'. Drill on retainer for 6 hrs to 11,077'. Retainer appeared to fall thru & was spinning on top of cmt. Circ clean. CC: \$ 86,885
- 9/30/94 RIH to finish DO cmt sqz.  
Tag btm of retainer @ 11,076'. DO retainer & cmt from 11,076'-11,171' (95') - mill quit. Circ clean. POOH w/366 jts & mill. Bladed mill was wore smooth. RIH w/4 1/2" drag bit to 1226'. CC: \$90,986
- 10/1-2/94 SD for weekend.
- 10/3/94 POOH w/4 1/2" drag bit, prep to run pkr & test sqz.  
RIH w/346 jts 2 1/2" tbg, tag cmt @ 11,171'. DO cmt from 11,170'-11,468'. RIH & tag sand @ 11,485' (RBP @ 11,500'). Circ clean. POOH w/14 jts 2 1/2" tbg to 11,074'. CC: \$95,434
- 10/4/94 Swabbing to check sqz for inflow.  
POOH w/363 jts 2 1/2" tbg & 4 1/2" drag bit. RIH w/5" HD pkr, set pkr @ 11,074'. Test sqz perfs 11,160'-11,470' to 2000#. Pressure bled to 1000# in 10 min. Made 8 runs & rec 61 BW (tbg volume - 64 bbls), FFL @ 8400'. CC: \$99,347
- 10/5/94 POOH w/BP, prep to run pkr for acid job.  
RU swab equip. FL @ 8800', approx 3 BW entry/13 hrs (0.25 BPH entry). RD swab equip. Rls pkr @ 11,074'. POOH w/363 jts tbg & 5" pkr. RIH w/retrieving head & 377 jts tbg. Pump 380 BW to est circ. Circ off top of BP & rls BP @ 11,500'. POOH w/62 jts tbg to 9566'. CC: \$102,167
- 10/6/94 PU PH-6 tbg.  
POOH w/315 jts 2 1/2" tbg & 5" RBP. Btm jt plugged w/sand & wax beads. RIH w/5" HD pkr, 36 jts PH-6 tbg, 5 1/2" No-Go & 290 jts PH-6 tbg to 8996'. CC: \$107,012
- 10/7/94 Prep to acidize.  
RIH w/45 jts PH-6 tbg to 10,441'. CC: \$104,899
- 10/8-9/94 SD for weekend.

ANR PRODUCTION COMPANY  
CHRONOLOGICAL HISTORY

BROTHERSON #1-23B4R (SQUEEZE OFF WTR & ACIDIZE)  
ALTAMONT FIELD  
DUCHESNE COUNTY, UTAH  
WI: 75.0% ANR    AFE: 00337

PAGE 7

10/10/94    RIH w/production string.  
RIH w/36 jts PH-6 tbg, set 5" pkr @ 11,496'. RU Dowell. Acidize  
perfs @ 11,520'-12,590' w/9000 gal 7½% HCl w/additives & 375 - 1.1  
BS's. MTR 20 BPM, ATR 12.5 BPM, min rate 6 BPM, MTP 9000#, ATP  
8200#. ISIP 4850#, 15 min 140#. Good diversion, 564 BLTR. Rls  
pkr, POOH & LD 373 jts PH-6 tbg & 5" HD pkr. PU 7" AC & BHA. RIH  
w/50 jts 2½" tbg. CC: \$133,831

10/11/94    On production.  
RIH w/2½" tbg. Set 7" AC @ 10,452' w/18,000# tension, SN @ 9043'.  
ND BOP, NU pump tee. RIH w/1½" recond pump & rods. Hang well on &  
return to production. RD rig. CC: \$137,496

10/11/94    Pmpd 12 BO, 239 BW, 7 MCF, 10 SPM, 13 hrs.

10/12/94    Pmpd 11 BO, 348 BW, 66 MCF, 10 SPM.

10/13/94    Pmpd 25 BO, 312 BW, 48 MCF, 10 SPM.

10/14/94    Pmpd 26 BO, 373 BW, 55 MCF.

10/15/94    Pmpd 38 BO, 398 BW, 38 MCF.

10/16/94    Pmpd 33 BO, 360 BW, 63 MCF, 10 SPM. Ran dyno on 10/14/94, FL @  
2000', pump efficiency 81%.

10/17/94    Pmpd 24 BO, 381 BW, 53 MCF, 23 hrs. Down 1 hr - high level SWD  
tank.

10/18/94    Pmpd 29 BO, 382 BW, 62 MCF, 10 SPM.

Prior prod: 17 BO, 375 BW, 130 MCF. Final report.

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING

94/4582  
5. Lease Designation and Serial Number:

Patented

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N/A

7. Unit Agreement Name:

N/A

1. Type of Well:

OIL ☒ GAS ☐ OTHER:

8. Well Name and Number:

Brotherson #1-23B4R

2. Name of Operator:

ANR Production Company

9. API Well Number:

43-013-30483

3. Address and Telephone Number:

P.O. Box 749, Denver, CO 80201-0749

(303) 573-4476

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Altamont

4. Location of Well

Footages: 747' FNL & 2380' FEL

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QQ, Sec., T., R., M.: NW/NE Section 23-T2S-R4W

State: Utah

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|--|---|
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| <input type="checkbox"/> Fracture Treat or Acidize | <input type="checkbox"/> Vent or Flare        |
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| <input type="checkbox"/> Other _____               |   |

Approximate date work will start \_\_\_\_\_

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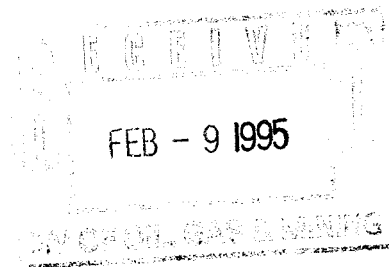
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13.

Name & Signature:

*N.O. Shiflett*

N.O. Shiflett

Title: District Drilling Manager

Date:

10/25/94

(This space for State use only)

ANR PRODUCTION COMPANY  
CHRONOLOGICAL HISTORY

BROTHERSON #1-23B4R (SQUEEZE OFF WTR & ACIDIZE)  
ALTAMONT FIELD  
DUCHESNE COUNTY, UTAH  
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ANR PRODUCTION COMPANY  
CHRONOLOGICAL HISTORY

BROTHERSON #1-23B4R (SQUEEZE OFF WTR & ACIDIZE)  
ALTAMONT FIELD  
DUCHESNE COUNTY, UTAH  
WI: 75.0% ANR AFE: 00337

PAGE 6

- 9/27/94 RIH w/cmt stinger for sqz.  
RU swab, tag FL @ 7500'. Est injection rate into wtr zone @ 11,160'-11,470', 4 BPM @ 700# (had indication of communication to annulus). Rls pkr @ 11,079'. Test pkr & RBP to 2000# - held. POOH w/376 jts 2 1/2" tbg & 5" pkr. RU Cutters. RIH & set 5" cmt ret @ 11,075'. RIH w/cmt ret, stinger & 262 jts 2 1/2" tbg to 8244'. CC: \$70,098
- 9/28/94 RIH w/bladed mill to DO sqz.  
RIH w/112 jts tbg. Sting into cmt ret @ 11,075'. Pump 371 BW to fill csg, maintain 200# @ 1.8 BPM. RU Halliburton. Est injection rate of 3 BPM @ 500#. Sqz perfs @ 11,160'-11,470' w/200 sx Class "H" cmt w/Silica sand, 15.9#, 53.4 bbls. Sqz'd to 2100#, left 143 sx below retainer. Pull out of cmt retainer 25' & rev circ out 55 sx cmt. POOH w/364 jts tbg & stinger. RIH w/4 1/2" bladed mill & 102 jts 2 1/2" tbg to 3152'. CC: \$82,658
- 9/29/94 Drlg cmt @ 11,077'.  
RIH w/2 1/2" tbg, tag cmt @ 11,050'. Pump 400 BW to est circ. DO cmt to retainer @ 11,075'. Drill on retainer for 6 hrs to 11,077'. Retainer appeared to fall thru & was spinning on top of cmt. Circ clean. CC: \$ 86,885
- 9/30/94 RIH to finish DO cmt sqz.  
Tag btm of retainer @ 11,076'. DO retainer & cmt from 11,076'-11,171' (95') - mill quit. Circ clean. POOH w/366 jts & mill. Bladed mill was wore smooth. RIH w/4 1/2" drag bit to 1226'. CC: \$90,986
- 10/1-2/94 SD for weekend.
- 10/3/94 POOH w/4 1/2" drag bit, prep to run pkr & test sqz.  
RIH w/346 jts 2 1/2" tbg, tag cmt @ 11,171'. DO cmt from 11,170'-11,468'. RIH & tag sand @ 11,485' (RBP @ 11,500'). Circ clean. POOH w/14 jts 2 1/2" tbg to 11,074'. CC: \$95,434
- 10/4/94 Swabbing to check sqz for inflow.  
POOH w/363 jts 2 1/2" tbg & 4 1/2" drag bit. RIH w/5" HD pkr, set pkr @ 11,074'. Test sqz perfs 11,160'-11,470' to 2000#. Pressure bled to 1000# in 10 min. Made 8 runs & rec 61 BW (tbg volume - 64 bbls). FFL @ 8400'. CC: \$99,347
- 10/5/94 POOH w/BP, prep to run pkr for acid job.  
RU swab equip. FL @ 8800', approx 3 BW entry/13 hrs (0.25 BPH entry). RD swab equip. Rls pkr @ 11,074'. POOH w/363 jts tbg & 5" pkr. RIH w/retrieving head & 377 jts tbg. Pump 380 BW to est circ. Circ off top of BP & rls BP @ 11,500'. POOH w/62 jts tbg to 9566'. CC: \$102,167
- 10/6/94 PU PH-6 tbg.  
POOH w/315 jts 2 1/2" tbg & 5" RBP. Btm jt plugged w/sand & wax beads. RIH w/5" HD pkr, 36 jts PH-6 tbg, 5 1/2" No-Go & 290 jts PH-6 tbg to 8996'. CC: \$107,012
- 10/7/94 Prep to acidize.  
RIH w/45 jts PH-6 tbg to 10,441'. CC: \$104,899
- 10/8-9/94 SD for weekend.

ANR PRODUCTION COMPANY  
CHRONOLOGICAL HISTORY

BROTHERSON #1-23B4R (SQUEEZE OFF WTR & ACIDIZE)  
ALTAMONT FIELD  
DUCHESNE COUNTY, UTAH  
WI: 75.0% ANR    AFE: 00337

PAGE 7

10/10/94    RIH w/production string.  
RIH w/36 jts PH-6 tbg. set 5" pkr @ 11,496'. RU Dowell. Acidize  
perfs @ 11,520'-12,590' w/9000 gal 7½% HCl w/additives & 375 - 1.1  
BS's. MTR 20 BPM. ATR 12.5 BPM. min rate 6 BPM. MTP 9000#. ATP  
8200#. ISIP 4850#. 15 min 140#. Good diversion. 564 BLTR. RIs  
pkr. POOH & LD 373 jts PH-6 tbg & 5" HD pkr. PU 7" AC & BHA. RIH  
w/50 jts 2½" tbg. CC: \$133,831

10/11/94    On production.  
RIH w/2½" tbg. Set 7" AC @ 10,452' w/18,000# tension. SN @ 9043'.  
ND BOP. NU pump tee. RIH w/1½" recond pump & rods. Hang well on &  
return to production. RD rig. CC: \$137,496

10/11/94    Pmpd 12 BO. 239 BW. 7 MCF. 10 SPM. 13 hrs.

10/12/94    Pmpd 11 BO. 348 BW. 66 MCF. 10 SPM.

10/13/94    Pmpd 25 BO. 312 BW. 48 MCF. 10 SPM.

10/14/94    Pmpd 26 BO. 373 BW. 55 MCF.

10/15/94    Pmpd 38 BO. 398 BW. 38 MCF.

10/16/94    Pmpd 33 BO. 360 BW. 63 MCF. 10 SPM. Ran dyno on 10/14/94. FL @  
2000'. pump efficiency 81%.

10/17/94    Pmpd 24 BO. 381 BW. 53 MCF. 23 hrs. Down 1 hr - high level SWD  
tank.

10/18/94    Pmpd 29 BO. 382 BW. 62 MCF. 10 SPM.

Prior prod: 17 BO. 375 BW. 130 MCF. Final report.

Well Name & No.	API No.	Lease Designation & Serial Number	If Indian, Allottee or Tribe Name	CA No.	LOCATION OF WELL		Field	County
					Footages	Section, Township & Range		
Evans Ute 2-17B3	43-013-31056	Fee 5326	Ute	96104	1701' FSL & 1474' FWL	NWSW, 17-2S-3W	Altamont	Duchesne
Miles 1-35A4	43-013-30029	Fee 1965	N/A	9618	1980' FNL & 1980' FEL	SWNE, 35-1S-4W	Altamont	Duchesne
Miles 2-35A4	43-013-31087	Fee 1966	N/A	9618	802' FWL & 1530' FSL	NWSW, 35-1S-4W	Altamont	Duchesne
Brotherson 2-11B4	43-013-31078	Fee 541	N/A	9623	944' FSL & 1643' FWL	SESW, 11-2S-4W	Altamont	Duchesne
Brotherson 1-2B4	43-013-30062	Fee 1570	N/A	9635	1478' FNL & 1459' FEL	SWNE, 2-2S-4W	Altamont	Duchesne
Brotherson 2-2B4	43-013-30855	Fee 8420	N/A	9635	1371' FSL & 1498' FWL	NESW, 2-2S-4W	Altamont	Duchesne
Broadhead 1-21B6	43-013-30100	Patented 1595	N/A	9639	540' FNL & 2610' FEL	NWNE, 21-2S-6W	Altamont	Duchesne
Ute Brotherson 2-34A4	43-013-30978	Fee 10070	N/A	9640	663' FWL & 1626' FSL	NWSW, 34-1S-4W	Altamont	Duchesne
Rust 2-36A4	43-013-31092	Fee 1577	N/A	9642	1516' FWL & 1955' FSL	NESW, 36-1S-4W	Altamont	Duchesne
Babcock 1-12B4	43-013-30104	Patented 1630	Ute	9643	2248' FNL & 1000' FEL	SENE, 12-2S-4W	Altamont	Duchesne
Babcock 2-12B4	43-013-31005	Fee 10215	N/A	9643	502' FWL & 503' FSL	SWSW, 12-2S-4W	Altamont	Duchesne
Ellsworth 1-9B4	43-013-30118	Patented 1660	N/A	9645	1444' FNL & 700' FEL	SENE, 9-2S-4W	Altamont	Duchesne
Ellsworth 2-9B4	43-013-31138	Fee 10460	N/A	9645	2976' FNL & 2543' FWL	NESW, 9-2S-4W	Altamont	Duchesne
Burton 2-15B5	43-013-31044	Fee 10210	N/A	9646	718' FWL & 1604' FSL	NWSW, 15-2S-5W	Altamont	Duchesne
Tew 2-10B5	43-013-31125	Fee 1756	N/A	9654	851' FWL & 729' FSL	SWSW, 10-2S-5W	Altamont	Duchesne
Goodrich 1-2B3	43-013-30182	Patented 1765	N/A	9655	2347' FSL & 1514' FEL	NWSE, 2-2S-3W	Bluebell	Duchesne
Goodrich 2-2B3	43-013-31246	Fee 11037	N/A	9655	678' FNL & 2235' FWL	NENW, 2-2S-3W	Bluebell	Duchesne
Robb 2-29B5	43-013-31130	Fee 10454	N/A	9656	2214' FWL & 1037' FSL	SESW, 29-2S-5W	Altamont	Duchesne
Ellsworth 1-16B4	43-013-30192	Patented 1735	Ute	9659	1301' FNL & 1101' FEL	NENE, 16-2S-4W	Altamont	Duchesne
Ellsworth 2-16B4	43-013-31046	Fee 10217	N/A	9659	1075' FWL & 1439' FSL	NWSW, 16-2S-4W	Altamont	Duchesne
Lake Fork 2-13B4	43-013-31134	Fee 10452	N/A	9660	963' FWL & 819' FSL	SWSW, 13-2S-4W	Altamont	Duchesne
Jessen 2-21A4	43-013-31256	Fee 11061	N/A	9661	702' FSL & 2182' FWL	SESW, 21-1S-4W	Altamont	Duchesne
Jenkins 1-1B3	43-013-30175	Patented 1790	N/A	9670	1807' FNL & 1888' FWL	SENE, 1-2S-3W	Bluebell	Duchesne
Jenkins 2-1B3	43-013-31117	Fee 1792	N/A	9670	803' FWL & 662' FSL	SWSW, 1-2S-3W	Bluebell	Duchesne
Birch 3-27B5	43-013-31126	Fee 1783	N/A	9671	979' FWL & 1151' FSL	SWSW, 27-2S-5W	Altamont	Duchesne
Lazy K 2-11B3	43-013-31352	Fee 11362	N/A	9672	503' FNL & 2017' FEL	NWNE, 11-2S-3W	Bluebell	Duchesne
Rudy 1-11B3	43-013-30204	Patented 1820	N/A	9672	2111' FSL & 2483' FEL	NWSE, 11-2S-3W	Bluebell	Duchesne
Brotherson 1-24B4	43-013-30229	Fee 1865	N/A	9674	1445' FNL & 1894' FEL	SWNE, 24-2S-4W	Altamont	Duchesne
Brotherson 3-23B4	43-013-31289	Fee 11141	N/A	<del>9674</del>	1177' FSL & 1112' FWL	SWSW, 23-2S-4W	Altamont	Duchesne
Evans 1-19B3	43-013-30265	Fee 1776	N/A	9678	1256' FNL & 893' FEL	NENE, 19-2S-3W	Altamont	Duchesne
Jenkins 2-12B3	43-013-31121	Fee 10459	N/A	9679	1623' FNL & 1047' FEL	SENE, 12-2S-3W	Bluebell	Duchesne
Bleazard 2-28B4	43-013-31304	Fee 11433	N/A	9681	1580' FSL & 2335' FWL	NESW, 28-2S-4W	Altamont	Duchesne
Lamiec 2-5B2	43-013-30784	Fee 2302	N/A	9683	1963' FWL & 803' FSL	SESW, 5-2S-2W	Bluebell	Duchesne
C.R. Aimes 1-23A4	43-013-30375	Fee 5675	Ute	9C133	704' FEL & 1515' FNL	SENE, 23-1S-4W	Altamont	Duchesne
Chandler 1-5B4	43-013-30140	Aprv. 4-11-96 Patented 1685	Ute	NW580	2120' FNL & 1553' FEL	SWNE, 5-2S-4W	Altamont	Duchesne
Chandler 2-5B4	43-013-31000	" Fee 10075	Ute	NW580	466' FSL & 1180' FWL	SWSW, 5-2S-4W	Altamont	Duchesne
Monsen 2-27A3	43-013-31104	" Fee 1746	N/A	NW581	1801' FWL & 2008' FSL	NESW, 27-1S-3W	Altamont	Duchesne
Monsen 3-27A3	43-013-31401	" Fee 11686	N/A	NW581	850' FNL & 1520' FWL	NENW, 27-1S-3W	Altamont	Duchesne
Ute Smith 1-30B5	43-013-30521	Fee 1950	Ute	UT08014987C696	1890' FSL & 624' FEL	NESE, 30-2S-5W	Altamont	Duchesne
Bleazard 1-18B4	43-013-30059	Patented 1565	N/A	N/A	1923' FNL & 2314' FEL	SWNE, 18-2S-4W	Altamont	Duchesne
Bleazard 2-18B4	43-013-31025	Fee 1566	N/A	N/A	857' FWL & 861' FSL	SWSW, 18-2S-4W	Altamont	Duchesne
Bodero 1-15B3	43-013-30565	Fee 2360	N/A	N/A	1370' FNL & 1679' FWL	SENE, 15-2S-3W	Altamont	Duchesne
Broadhead 2-32B5	43-013-31036	Fee 10216	N/A	N/A	1686' FWL & 1116' FSL	SESW, 32-2S-5W	Altamont	Duchesne
Brotherson 1-10B4	43-013-30110	Patented 1614	N/A	N/A	2037' FNL & 2052' FEL	SWNE, 10-2S-4W	Altamont	Duchesne
Brotherson 1-14B4	43-013-30051	Patented 1535	N/A	N/A	2100' FNL & 750' FEL	SENE, 14-2S-4W	Altamont	Duchesne
Brotherson 1-22B4	43-013-30227	Fee 1730	N/A	N/A	1642' FNL & 1297' FEL	SENE, 22-2S-4W	Altamont	Duchesne
Brotherson 1-23B4R	43-013-30483	Patented 8423	N/A	N/A	747' FNL & 2380' FEL	NWNE, 23-2S-4W	Altamont	Duchesne
Brotherson 1-26B4	43-013-30336	Patented 1856	N/A	N/A	1272' FNL & 1408' FEL	NWNE, 26-2S-4W	Altamont	Duchesne
Brotherson 1-28A4	43-013-30292	Patented 1841	N/A	N/A	751' FNL & 1130' FEL	NENE, 28-1S-4W	Altamont	Duchesne



STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING

## SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells.

Use APPLICATION FOR PERMIT TO DRILL OR DEEPEN form for such proposals.

1. Type of Well:

OIL ☒GAS ☐

OTHER:

2. Name of Operator:

Coastal Oil &amp; Gas Corporation

3. Address and Telephone Number:

P.O. Box 749, Denver, CO 80201-0749

(303) 573-4455

4. Location of Well

Footages:

See Attached

QQ, Sec., T., R., M.:

See Attached

5. Lease Designation and Serial Number:

See Attached

6. If Indian, Allottee or Tribe Name:

See Attached

7. Unit Agreement Name:

See Attached

8. Well Name and Number:

See Attached

9. API Well Number:

See Attached

10. Field and Pool, or Wildcat:

See Attached

County: See Attached

State: Utah

## 11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

## NOTICE OF INTENT

(Submit In Duplicate)

☐ Abandon☐ Repair Casing☐ Change of Plans☐ Convert to Injection☐ Fracture Treat or Acidize☐ Multiple Completion☐ Other \_\_\_\_\_☐ New Construction☐ Pull or Alter Casing☐ Recompletion☐ Perforate☐ Vent or Flare☐ Water Shut-Off

## SUBSEQUENT REPORT

(Submit Original Form Only)

☐ Abandon \*☐ Repair Casing☐ Change of Plans☐ Convert to Injection☐ Fracture Treat or Acidize☒ Other Change of Operator☐ New Construction☐ Pull or Alter Casing☐ Perforate☐ Vent or Flare☐ Water Shut-Off

Date of work completion \_\_\_\_\_

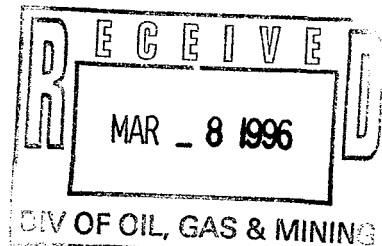
Report results of **Multiple Completions** and **Recompletions** to different reservoirs on WELL COMPLETION OR RECOMPLETION REPORT AND LOG form.

\* Must be accompanied by a cement verification report.

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Please be advised that effective December 27, 1995, ANR Production Company relinquished and Coastal Oil & Gas Corporation assumed operations for the subject wells (see attached). Bond coverage pursuant to 43 CFR 3104 for lease activities is being provided by Coastal Oil & Gas Corporation under the following bonds: State of Utah #102103, BLM Nationwide Bond #U605382-9, and BIA Nationwide Bond #11-40-66A. Coastal Oil & Gas Corporation, as operator, agrees to be responsible under the terms and conditions of the leases for the operations conducted upon leased lands.

*Bonnie Carson*  
Bonnie Carson, Sr. Environmental & Safety Analyst  
ANR Production Company



13.

Name & Signature: *Sheila Bremer*

Sheila Bremer

Environmental &amp; Safety Analyst

Title: Coastal Oil &amp; Gas Corporation

Date: 03/07/96

(This space for State use only)

Division of Oil, Gas and Mining  
**OPERATOR CHANGE WORKSHEET**

Routing: *EH*

1	LEC-7-51
2	DTS 8-FILE
3	WLD
4	RIT
5	EC
6	FILM

Attach all documentation received by the division regarding this change.  
 Initial each listed item when completed. Write N/A if item is not applicable.

- ☒ Change of Operator (well sold)      ☐ Designation of Agent  
☐ Designation of Operator      ☐ Operator Name Change Only

The operator of the well(s) listed below has changed (EFFECTIVE DATE: 12-27-95)

TO (new operator)	<u>COASTAL OIL &amp; GAS CORP</u>	FROM (former operator)	<u>ANR PRODUCTION CO INC</u>
(address)	<u>PO BOX 749</u>	(address)	<u>PO BOX 749</u>
	<u>DENVER CO 80201-0749</u>		<u>DENVER CO 80201-0749</u>
phone	<u>(303) 572-1121</u>	phone	<u>(303) 572-1121</u>
account no.	<u>N 0230 (B)</u>	account no.	<u>N0675</u>

Well(s) (attach additional page if needed):

Name: <b>**SEE ATTACHED**</b>	API: <u>013-30483</u>	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____

**OPERATOR CHANGE DOCUMENTATION**

- Lee* 1. (Rule R615-8-10) Sundry or other legal documentation has been received from former operator (Attach to this form). *(Rec'd 3-8-96)*
- Lee* 2. (Rule R615-8-10) Sundry or other legal documentation has been received from new operator (Attach to this form). *(Rec'd 3-8-96)*
- N/A* 3. The Department of Commerce has been contacted if the new operator above is not currently operating any wells in Utah. Is company registered with the state? (yes/no) \_\_\_\_ If yes, show company file number: \_\_\_\_\_.
- N/A* 4. (For Indian and Federal Wells ONLY) The BLM has been contacted regarding this change (attach Telephone Documentation Form to this report). Make note of BLM status in comments section of this form. Management review of **Federal and Indian** well operator changes should take place prior to completion of steps 5 through 9 below.
- Lee* 5. Changes have been entered in the Oil and Gas Information System (Wang/IBM) for each well listed above. *(3-11-96) (4-3-96/Indian) (4-15-96/Fee C.A.'s) (8-20-96/Indian C.A.'s)*
- Lee* 6. Cardex file has been updated for each well listed above.
- Lee* 7. Well file labels have been updated for each well listed above.
- Lee* 8. Changes have been included on the monthly "Operator, Address, and Account Changes" memo for distribution to State Lands and the Tax Commission. *(3-11-96)*
- Lee* 9. A folder has been set up for the Operator Change file, and a copy of this page has been placed there for reference during routing and processing of the original documents.

### ENTITY REVIEW

- Yes 1. (Rule R615-8-7) Entity assignments have been reviewed for all wells listed above. Were entity changes made? (yes/no) (no) (If entity assignments were changed, attach copies of Form 6, Entity Action Form).
- N/A 2. State Lands and the Tax Commission have been notified through normal procedures of entity changes.

### BOND VERIFICATION (Fee wells only) *Surety No. U605382-1 (\$80,000) United Pacific Ins. Co.*

- Yes 1. (Rule R615-3-1) The new operator of any fee lease well listed above has furnished a proper bond.
2. A copy of this form has been placed in the new and former operators' bond files. *\* Upon Compl. of routing.*
- Yes 3. The former operator has requested a release of liability from their bond (yes/no) (no). Today's date March 11, 1996. If yes, division response was made by letter dated                      19    . *(Same Bond as Coastal)*

### LEASE INTEREST OWNER NOTIFICATION RESPONSIBILITY

- N/A 1. (Rule R615-2-10) The former operator/lessee of any **fee lease** well listed above has been notified by letter dated                      19    , of their responsibility to notify any person with an interest in such lease of the change of operator. Documentation of such notification has been requested.
2. Copies of documents have been sent to State Lands for changes involving **State leases**.

### FILMING

- Yes 1. All attachments to this form have been microfilmed. Date:                      1-7 1997.

### FILING

1. Copies of all attachments to this form have been filed in each well file.
2. The original of this form and the original attachments have been filed in the Operator Change file.

### COMMENTS

9/60311 This change involves Fee lease / non C.A. wells ~~only~~ in State lease wells.  
C.A. & Indian lease wells will be handled on separate change.

9/60412 BLM / SL Aprv. C.A.'s 4-11-96.

9/60820 BIA Aprv. CA's 8-16-96.

9/60329 BIA Aprv. Indian Lease wells 3-26-96.

WE71/34-35

\* 9/61107 Lemicy 2-5B2/43013-30784 under review at this time; no dg. yet!

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL  
OIL WELL ☐ GAS WELL ☐ OTHER \_\_\_\_\_

2. NAME OF OPERATOR:  
El Paso Production Oil & Gas Company

3. ADDRESS OF OPERATOR: 368 South 1200 East CITY Vernal STATE Utah ZIP 84078  
PHONE NUMBER: 435-789-4433

4. LOCATION OF WELL  
FOOTAGES AT SURFACE: COUNTY: UTAH

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: STATE: UTAH

5. LEASE DESIGNATION AND SERIAL NUMBER:

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT or CA AGREEMENT NAME:

8. WELL NAME and NUMBER:

Exhibit "A"

9. API NUMBER:

10. FIELD AND POOL, OR WILDCAT:

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: Name Change
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

As a result of the merger between The Coastal Corporation and a wholly owned subsidiary of El Paso Energy Corporation, the name of Coastal Oil & Gas Corporation has been changed to El Paso Production Oil & Gas Company effective March 9, 2001.

See Exhibit "A"

Bond # 400JU0708

Coastal Oil & Gas Corporation

NAME (PLEASE PRINT) John T. Elzner

TITLE Vice President

SIGNATURE [Signature]

DATE 06-15-01

El Paso Production Oil & Gas Company

NAME (PLEASE PRINT) John T. Elzner

TITLE Vice President

SIGNATURE [Signature]

DATE 06-15-01

(This space for State use only)

RECEIVED

JUN 19 2001

DIVISION OF  
OIL, GAS AND MINING

State of Delaware  
*Office of the Secretary of State*

---

PAGE 1

I, HARRIET SMITH WINDSOR, SECRETARY OF STATE OF THE STATE OF DELAWARE, DO HEREBY CERTIFY THE ATTACHED IS A TRUE AND CORRECT COPY OF THE CERTIFICATE OF AMENDMENT OF "COASTAL OIL & GAS CORPORATION", CHANGING ITS NAME FROM "COASTAL OIL & GAS CORPORATION" TO "EL PASO PRODUCTION OIL & GAS COMPANY", FILED IN THIS OFFICE ON THE NINTH DAY OF MARCH, A.D. 2001, AT 11 O'CLOCK A.M.

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JUN 13 2001

DIVISION OF  
OIL, GAS AND MINING



*Harriet Smith Windsor*  
Harriet Smith Windsor, Secretary of State

0610204 8100

AUTHENTICATION: 1061007

010162788

DATE: 04-03-01

## CERTIFICATE OF AMENDMENT

OF

## CERTIFICATE OF INCORPORATION

COASTAL OIL & GAS CORPORATION (the "Company"), a corporation organized and existing under and by virtue of the General Corporation Law of the State of Delaware, DOES HEREBY CERTIFY:

FIRST: That the Board of Directors of the Company, by the unanimous written consent of its members, filed with the minutes of the Board, adopted a resolution proposing and declaring advisable the following amendment to the Certificate of Incorporation of the Company:

RESOLVED that it is deemed advisable that the Certificate of Incorporation of this Company be amended, and that said Certificate of Incorporation be so amended, by changing the Article thereof numbered "FIRST," so that, as amended, said Article shall be and read as follows:


"FIRST. The name of the corporation is El Paso Production Oil & Gas Company."

SECOND: That in lieu of a meeting and vote of stockholders, the stockholders entitled to vote have given unanimous written consent to said amendment in accordance with the provisions of Section 228 of the General Corporation Law of the State of Delaware.

THIRD: That the aforesaid amendment was duly adopted in accordance with the applicable provisions of Sections 242 and 228 of the General Corporation Law of the State of Delaware.

IN WITNESS WHEREOF, said COASTAL OIL & GAS CORPORATION has caused this certificate to be signed on its behalf by a Vice President and attested by an Assistant Secretary, this 9th day of March 2001.

COASTAL OIL &amp; GAS CORPORATION

  
David L. Siddall  
Vice President

Attest:

  
Margaret E. Roark, Assistant Secretary

RECEIVED

STATE OF DELAWARE  
SECRETARY OF STATE  
DIVISION OF CORPORATIONS  
FILED 11:00 AM 03/09/2001  
010118394 - 0610204

JUN 19 2001

DIVISION OF  
OIL, GAS AND MINING

**OPERATOR CHANGE WORKSHEET****ROUTING**

1. GLH		4-KAS
2. CDW	✓	5-LP
3. JLT		6-FILE

Enter date after each listed item is completed

Change of Operator (Well Sold)

Designation of Agent

Operator Name Change (Only)

**X**      **Merger**The operator of the well(s) listed below has changed, effective: **3-09-2001**

<b>FROM:</b> (Old Operator):
COASTAL OIL & GAS CORPORATION
Address: 9 GREENWAY PLAZA STE 2721
HOUSTON, TX 77046-0995
Phone: 1-(713)-418-4635
Account N0230

<b>TO:</b> ( New Operator):
EL PASO PRODUCTION OIL & GAS COMPANY
Address: 9 GREENWAY PLAZA STE 2721 RM 2975B
HOUSTON, TX 77046-0995
Phone: 1-(832)-676-4721
Account N1845

**CA No.****Unit:****WELL(S)**

NAME	API NO	ENTITY NO	SEC TWN RNG	LEASE TYPE	WELL TYPE	WELL STATUS
BROTHERSON 1-22B4	43-013-30227	1780	22-02S-04W	FEE	OW	P
BROTHERSON 2-22B4	43-013-31086	1782	22-02S-04W	FEE	OW	P
<b>BROTHERSON 1-23B4R</b>	43-013-30483	8423	23-02S-04W	FEE	OW	P
BROTHERSON 3-23B4	43-013-31289	11141	23-02S-04W	FEE	OW	P
BROTHERSON 1-24B4	43-013-30229	1865	24-02S-04W	FEE	OW	P
BROTHERSON 1-25B4	43-013-30668	9126	25-02S-04W	FEE	OW	P
BROTHERSON 1-26B4	43-013-30336	1856	26-02S-04W	FEE	OW	P
BROTHERSON 1-27B4	43-013-30185	4735	27-02S-04W	FEE	OW	P
BLEAZARD 2-28B4 (CA 96-81)	43-013-31304	11433	28-02S-04W	FEE	OW	P
YOUNG ETAL 1-29B4	43-013-30246	1791	29-02S-04W	FEE	OW	P
WEIKART 2-29B4	43-013-31298	11332	29-02S-04W	FEE	OW	P
LAWRENCE 1-30B4	43-013-30220	1845	30-02S-04W	FEE	OW	P
YOUNG 2-30B4	43-013-31366	11453	30-02S-04W	FEE	OW	P
CHRISTMAN BLANN 1-31	43-013-30198	4745	31-02S-04W	FEE	OW	P
GRIFFITHS 1-33B4 (CA 96-119)	43-013-30288	4760	33-02S-04W	FEE	OW	P
BELCHER 2-33B4 (CA 96-119)	43-013-30907	9865	33-02S-04W	FEE	OW	P
TEW 1-1B5	43-013-30264	1870	01-02S-05W	FEE	OW	P
MILES 2-1B5	43-013-31257	11062	02-02S-05W	FEE	OW	P
POTTER 1-2B5	43-013-30293	1826	02-02S-05W	FEE	OW	P
BROTHERSON 2-2B5	43-013-31302	11342	02-02S-05W	FEE	OW	P

**OPERATOR CHANGES DOCUMENTATION**

1. (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 06/19/2001
2. (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 06/19/2001
3. The new company has been checked through the **Department of Commerce, Division of Corporations Database** on: 06/21/2001
4. Is the new operator registered in the State of Utah: YES Business Number: 608186-0143

5. If **NO**, the operator was contacted contacted on: N/A
6. **Federal and Indian Lease Wells:** The BLM and or the BIA has approved the (merger, name change, or operator change for all wells listed on Federal or Indian leases on: N/A
7. **Federal and Indian Units:** The BLM or BIA has approved the successor of unit operator for wells listed on: N/A
8. **Federal and Indian Communization Agreements ("CA"):** The BLM or the BIA has approved the operator change for all wells listed involved in a CA on: N/A
9. **Underground Injection Control ("UIC")** The Division has approved UIC Form 5, **Transfer of Authority to Inject**, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: N/A

---

**DATA ENTRY:**

1. Changes entered in the **Oil and Gas Database** on: 07/05/2001
2. Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 07/05/2001
3. Bond information entered in RBDMS on: 06/20/2001
4. Fee wells attached to bond in RBDMS on: 07/05/2001

---

**STATE BOND VERIFICATION:**

1. State well(s) covered by Bond No.: N/A

---

**FEE WELLS - BOND VERIFICATION/LEASE INTEREST OWNER NOTIFICATION:**

1. (R649-3-1) The **NEW** operator of any fee well(s) listed has furnished a bond: 400JU0708
2. The **FORMER** operator has requested a release of liability from their bond on: COMPLETION OF OPERATOR CHANGE  
The Division sent response by letter on: N/A
3. (R649-2-10) The **FORMER** operator of the Fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: COMPLETION OF OPERATOR CHANGE

---

**FILMING:**

1. All attachments to this form have been **MICROFILMED** on: 8/15/01

---

**FILING:**

1. **ORIGINALS/COPIES** of all attachments pertaining to each individual well have been filled in each well file on: \_\_\_\_\_

---

**COMMENTS: Master list of all wells involved in operator change from Coastal Oil & Gas Corporation to El Paso Production Oil and Gas Company shall be retained in the "Operator Change File".**

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STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL  
OIL WELL ☐ GAS WELL ☐ OTHER \_\_\_\_\_

2. NAME OF OPERATOR:  
El Paso Production Oil & Gas Company

3. ADDRESS OF OPERATOR: 368 South 1200 East CITY Vernal STATE Utah ZIP 84078  
PHONE NUMBER: 435-789-4433

4. LOCATION OF WELL  
FOOTAGES AT SURFACE: COUNTY: Garfield

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: <u>Name Change</u>
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

As a result of the merger between The Coastal Corporation and a wholly owned subsidiary of El Paso Energy Corporation, the name of Coastal Oil & Gas Corporation has been changed to El Paso Production Oil & Gas Company effective March 9, 2001.

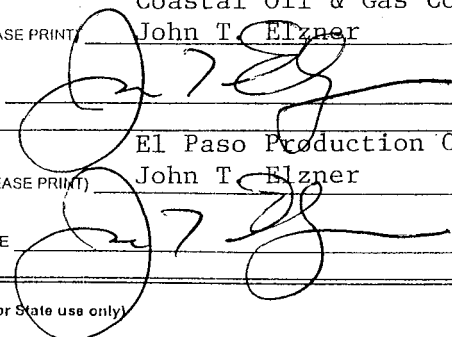
See Exhibit "A"

Bond # 400JU0708

Coastal Oil & Gas Corporation

NAME (PLEASE PRINT) John T. Elzner

TITLE Vice President

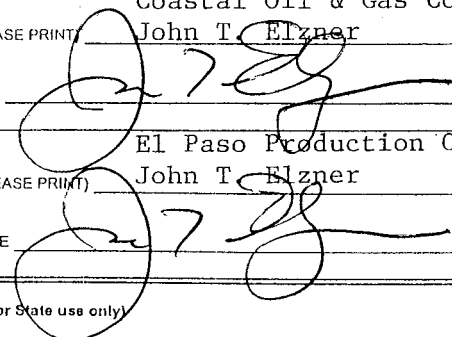
SIGNATURE 

DATE 06-15-01

El Paso Production Oil & Gas Company

NAME (PLEASE PRINT) John T. Elzner

TITLE Vice President

SIGNATURE 

DATE 06-15-01

(This space for State use only)

RECEIVED

JUN 19 2001

DIVISION OF  
OIL, GAS AND MINING

State of Delaware  
*Office of the Secretary of State*

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RECEIVED

JUN 19 2001

DIVISION OF  
OIL, GAS AND MINING



*Harriet Smith Windsor*  
Harriet Smith Windsor, Secretary of State

0610204 8100

AUTHENTICATION: 1061007

010162788

DATE: 04-03-01

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OF

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COASTAL OIL &amp; GAS CORPORATION



David L. Siddall  
Vice President

Attest:

  
Margaret E. Roark, Assistant Secretary

RECEIVED

STATE OF DELAWARE  
SECRETARY OF STATE  
DIVISION OF CORPORATIONS  
FILED 11:00 AM 03/09/2001  
010118394 - 0610204

JUN 19 2001

DIVISION OF  
OIL, GAS AND MINING

**OPERATOR CHANGE WORKSHEET****ROUTING**

1. GLH		4-KAS
2. CDW	✓	5-LP
3. JLT		6-FILE

Enter date after each listed item is completed

Change of Operator (Well Sold)

Designation of Agent

Operator Name Change (Only)

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9. **Underground Injection Control ("UIC")** The Division has approved UIC Form 5, **Transfer of Authority to Inject**, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: N/A

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**DATA ENTRY:**

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**STATE BOND VERIFICATION:**

1. State well(s) covered by Bond No.: N/A

---

**FEE WELLS - BOND VERIFICATION/LEASE INTEREST OWNER NOTIFICATION:**

1. (R649-3-1) The **NEW** operator of any fee well(s) listed has furnished a bond: 400JU0708
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3. (R649-2-10) The **FORMER** operator of the Fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: COMPLETION OF OPERATOR CHANGE

---

**FILMING:**

1. All attachments to this form have been **MICROFILMED** on: 8/15/01

---

**FILING:**

1. **ORIGINALS/COPIES** of all attachments pertaining to each individual well have been filled in each well file on: \_\_\_\_\_

---

**COMMENTS: Master list of all wells involved in operator change from Coastal Oil & Gas Corporation to El Paso Production Oil and Gas Company shall be retained in the "Operator Change File".**

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STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER _____		5. LEASE DESIGNATION AND SERIAL NUMBER: FEE
2. NAME OF OPERATOR: EL PASO E&P COMPANY, L.P.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
3. ADDRESS OF OPERATOR: 1099 18TH ST, STE 1900 CITY DENVER STATE CO ZIP 80202		7. UNIT or CA AGREEMENT NAME:
4. LOCATION OF WELL FOOTAGES AT SURFACE: 747' FNL, 2380' FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NWNE 23 2S 4W		8. WELL NAME and NUMBER: BROTHERSON 1-23B4R
PHONE NUMBER: (303) 291-6400		9. API NUMBER: 4301330483
		10. FIELD AND POOL, OR WILDCAT: ALTAMONT
		COUNTY: DUCHESNE
		STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: 4/15/2007	<input checked="" type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input checked="" type="checkbox"/> REPERFORATE CURRENT FORMATION
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion:	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> OTHER: _____
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

OPERATOR REQUESTS APPROVAL TO PERFORATE AND ACIDIZE GREEN RIVER FROM 8,986' TO 10,604' IN ACCORDANCE WITH THE ATTACHED PROCEDURES.

RECEIVED

APR 02 2007

DIV. OF OIL, GAS & MINING

COPY SENT TO OPERATOR  
Date: 4-10-07  
Initials: RM

NAME (PLEASE PRINT) JENNIFER T. BECHTEL TITLE SR. ENGINEERING ANALYST  
SIGNATURE *Jennifer T. Bechtel* DATE 3/30/2007

(This space for State use only)

APPROVED BY THE STATE  
OF UTAH DIVISION OF  
OIL, GAS, AND MINING  
DATE 4/4/07  
BY: *D. J. [Signature]*

## Brotherson 1-23B4 R

To

Squeeze well (If necessary) and plugback to Lower Green  
River

Section 23, T2S, R4W  
Altamont-Blue Bell Field  
Duchesne County, Utah

### Procedure:

1. MIRU workover rig. Load well with TPW. POOH with rods and pump.
2. ND wellhead and NU and test BOP. Release TAC and POOH with tubing.
3. RIH with RB and 7" CS to TOL at 10,479'. Circulate hole clean. POOH.
4. RIH with RB and 5" CS to 10,700'. Circulate hole clean. POOH.
5. RU EL. Make GR run to 10,700'. RIH and set 5" CBP at 10,660. Dump 10' of cement on top.
6. Run CBL/GR log from PBD up to 8,900'. Evaluate bond. If necessary, shoot squeeze holes and squeeze 7" casing. Drill out, circulate wellbore clean and test squeeze.
7. RU EL and RH and perforate from 8,986' to 10,604' (See attached perf sheet). Use 3-1/8" HSC gun loaded 3 SPF, 120 deg phased w/ 22.7 gram premium charges. RD EL. Record any increase in pressure.
8. RIH with 7" treating packer on 3-1/2" 9.3 # N-80 workstring. Test tubing in hole to 9000 psi. Set treating packer @ 8,850'. Test annulus to 1500 psi.

7. Break down perfs w/ 3% KCL at approximately 5 bpm. Monitor annulus for communication. Report ISIP and leak-off in 5, 10 & 15 minute intervals.
8. MI&RU Stimulation Company. Acidize Green River perfs at 8,986'-10,604' with 10,400 gals of 15% HCL @ 30+ BPM in three stages utilizing Bio-balls (Brown colored) and rock salt for diversion. Heat treating water to 160° F. Maximum allowable surface treating pressure 8,500 psi. Hold 1,500 psi on 3-1/2" annulus throughout
9. Attempt to flow back well. If well does not flow back, release packer, TOH and LD workstring and packer.
10. RIH with 2-7/8" production tubing string and tubing anchor. Set tubing anchor and SN at appropriate design depths.
11. ND BOP & NU wellhead.
12. Run pump and rods. Space out, stroke test pump and hang off.
13. RD&MO workover rig. PWOP. Clean location.



## Brotherson 1-23B4R

### PERFORATION SCHEDULE - UPPER GREEN RIVER FORMATION

#### TABLE 1

Open Hole Reference Log: Schlumberger DI-SFL-GR (4/2/79)

Open	Cased	Open	Cased	Open	Cased
8,986		9,434		10,069	
9,005		9,446		10,406	
9,012		9,461		10,415	
9,020		9,483		10,534	
9,029		9,509		10,541	
9,041		9,520		10,576	
9,069		9,535		10,584	
9,094		9,547		10,604	
9,115		9,576			
9,125		9,588			
9,134		9,595			
9,166		9,602			
9,180		9,671			
9,199		9,686			
9,227		9,786			
9,238		9,792			
9,257		9,817			
9,287		9,838			
9,291		9,857			
9,320		9,945			
9,357		9,977			
9,364		10,064			

Proposed Recompletion Perfs - 2007

**STATE OF UTAH**  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

FORM 9

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER _____		5. LEASE DESIGNATION AND SERIAL NUMBER: <b>FEE</b>
2. NAME OF OPERATOR: <b>EL PASO E&amp;P COMPANY, L.P.</b>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
3. ADDRESS OF OPERATOR: 1099 18TH ST, STE 1900 CITY <b>DENVER</b> STATE <b>CO</b> ZIP <b>80202</b>		7. UNIT or CA AGREEMENT NAME:
4. LOCATION OF WELL FOOTAGES AT SURFACE: <b>747' FNL, 2380' FEL</b>		8. WELL NAME and NUMBER: <b>BROTHERSON 1-23B4</b>
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: <b>NWNE 23 2S 4W</b>		9. API NUMBER: <b>4301330483</b>
PHONE NUMBER: <b>(303) 291-6400</b>		10. FIELD AND POOL, OR WILDCAT: <b>ALTAMONT</b>
COUNTY: <b>DUCHESNE</b>		STATE: <b>UTAH</b>

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate)  Approximate date work will start:  	<input checked="" type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input checked="" type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only)  Date of work completion:  <b>11/29/2007</b>	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> OTHER: _____
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

OPERATOR PERFORMED THE FOLLOWING WORK ON THE SUBJECT WELL BETWEEN 11/15/2007 AND 11/29/2007:

11/15/2007: LD POLISH ROD. TOOH W/ RODS AND TBG.  
 11/20/2007: SET CBP @ 10700'. PRESS TEST CSG TO 1000 PSI, OK. DUMP BAIL 20' BAIL CMT ON CBP.  
 11/21/2007: PERFORATE FROM 1004' TO 8986' USING 3-1/8" GUNS, 3 SPF, 120 DEGREE PHASING, 22.7 GRAM CHARGES. TIH W/ PKR @ 8852' AND PRESS TEST TO 1000 PSI, OK.  
 11/25/2007: PUMP 20,000 GAL OF ACIDI USING 190 BIO BALLS AND 8399# ROCK SALT FOR DIVERSION. AVG RATE 17.64 BPM AND AVG PRESS 6544 PSI.  
 11/26/2007: UNSET PKR. RIH AND TAG @ 10688'.  
 11/27/2007: RIH W/ 2-7/8" TBG. SET TAC@ 10176' IN 25K TENSION. EOT@ 10463'. RIH W/ RODS AND PUMP.  
 11/29/2007: PRESS TEST TBG TO 1000 PSI AND STROKE TEST PUMP, OK. RETURN WELL TO PRODUCTION.

NAME (PLEASE PRINT) <b>LISA PRETZ</b>	TITLE <b>ENGINEERING TECH</b>
SIGNATURE 	DATE <b>2/4/2008</b>

(This space for State use only)

**RECEIVED**  
**FEB 07 2008**

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

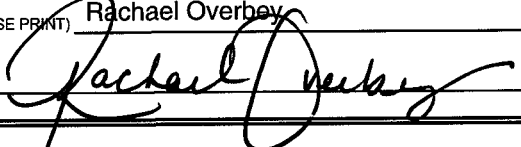
1. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER _____	5. LEASE DESIGNATION AND SERIAL NUMBER: FEE
2. NAME OF OPERATOR: EL PASO E&P COMPANY, L.P.	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
3. ADDRESS OF OPERATOR: 1099 18TH ST, STE 1900 CITY DENVER STATE CO ZIP 80202	7. UNIT or CA AGREEMENT NAME:
PHONE NUMBER: (303) 291-6400	8. WELL NAME and NUMBER: BROTHERSON 1-23B4R
	9. API NUMBER: 4301330483
	10. FIELD AND POOL, OR WILDCAT: ALTAMONT

4. LOCATION OF WELL FOOTAGES AT SURFACE: 747' FNL, 2380' FEL	COUNTY: DUCHESNE
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NWNE 23 2S 4W	STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA			
TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: Surface Meter
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	Commingle

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

The referenced well is commingled at surface meter with the Brotherson 1-26B4 API# 43-013-30336 and the Brotherson 1-14B4 API# 43-013-30051

NAME (PLEASE PRINT) Rachael Overbey	TITLE Engineering Tech
SIGNATURE 	DATE 7/16/2008

(This space for State use only)

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

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1. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER _____		5. LEASE DESIGNATION AND SERIAL NUMBER: FEE
2. NAME OF OPERATOR: El Paso E & P Company, LP		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
3. ADDRESS OF OPERATOR: 1099 18th St Ste 1900 CITY Denver STATE CO ZIP 80202		7. UNIT or CA AGREEMENT NAME:
4. LOCATION OF WELL FOOTAGES AT SURFACE: 747' FNL, 2380' FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NWNE 23 2S 4W		8. WELL NAME and NUMBER: BROTHERSON 1-23B4
PHONE NUMBER: (303) 291-6417		9. API NUMBER: 4301330483
		10. FIELD AND POOL, OR WILDCAT: ALTAMONT
		COUNTY: DUCHESNE
		STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: 10/28/2009	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: Commingle/measurement
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

THE REFERENCED WELL 1-23B4R & BROTHERSON 1-14B4 (4301330051) SHARE THE SAME TREATER AND HAVE COMMON ROYALTY OWNERSHIP. EACH MONTH A 24 HR. WELL TEST IS CONDUCTED FOR OIL, GAS AND WATER PRODUCTION. THE PRODUCTION VOLUMES ARE TAKEN FROM THE ORIFICE METER GAS SALES CHART, OIL METER AND WATER METER. THE WELL NOT BEING TESTED IS SHUT IN DURING THE 24 HR TEST PERIOD.

THE REFERENCED WELL 1-23B4R & BROTHERSON 1-14B4 (4301330051) TREATER AND THE 1-26B4 (4301330336) TREATER HAVE THEIR OWN ORIFICE METER GAS CHART AND SHARE THE SAME GAS SALES METER. THE ORIFICE METER GAS CHARTS AT EACH TREATER ARE USED FOR ALLOCATION PURPOSES ONLY. OIL AND WATER PRODUCTION VOLUMES ARE TAKEN FROM OIL AND WATER METERS WITHIN THE TREATERS.

COPY SENT TO OPERATOR

Date: 12/31/2009

Initials: KS

NAME (PLEASE PRINT) MARIE OKEEFE	TITLE SR REGULATORY ANALYST
SIGNATURE Marie Okeefe	DATE 10/28/2009

(This space for State use only)

APPROVED BY THE STATE  
OF UTAH DIVISION OF  
OIL, GAS AND MINING  
DATE 11/30/09  
BY: [Signature]

(See Instructions on Reverse Side)

RECEIVED

NOV 09 2009

DIV. OF OIL, GAS & MINING

Division of Oil, Gas and Mining  
**OPERATOR CHANGE WORKSHEET (for state use only)**

**ROUTING**  
**CDW**

**X - Change of Operator (Well Sold)**

**Operator Name Change/Merger**

The operator of the well(s) listed below has changed, effective:

**6/1/2012**

**FROM: (Old Operator):**

N3065- El Paso E&P Company, L.P.  
 1001 Louisiana Street  
 Houston, TX. 77002

Phone: 1 (713) 997-5038

**TO: ( New Operator):**

N3850- EP Energy E&P Company, L.P.  
 1001 Louisiana Street  
 Houston, TX. 77002

Phone: 1 (713) 997-5038

**CA No.**

**Unit:**

**N/A**

WELL NAME	SEC	TWN	RNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS
See Attached List								

**OPERATOR CHANGES DOCUMENTATION**

Enter date after each listed item is completed

- (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 6/25/2012
- (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 6/25/2012
- The new company was checked on the **Department of Commerce, Division of Corporations Database** on: 6/27/2012
- Is the new operator registered in the State of Utah:          Business Number: 2114377-0181
- (R649-9-2) Waste Management Plan has been received on: Yes
- Inspections of LA PA state/fee well sites complete on: N/A
- Reports current for Production/Disposition & Sundries on: 6/25/2012
- Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: BLM N/A BIA Not Received
- Federal and Indian Units:**  
The BLM or BIA has approved the successor of unit operator for wells listed on: N/A
- Federal and Indian Communization Agreements ("CA"):**  
The BLM or BIA has approved the operator for all wells listed within a CA on: N/A
- Underground Injection Control ("UIC")** Division has approved UIC Form 5 Transfer of Authority to Inject, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: Second Oper Chg

**DATA ENTRY:**

- Changes entered in the **Oil and Gas Database** on: 6/29/2012
- Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 6/29/2012
- Bond information entered in RBDMS on: 6/29/2012
- Fee/State wells attached to bond in RBDMS on: 6/29/2012
- Injection Projects to new operator in RBDMS on: 6/29/2012
- Receipt of Acceptance of Drilling Procedures for APD/New on: N/A

**BOND VERIFICATION:**

- Federal well(s) covered by Bond Number: 103601420
- Indian well(s) covered by Bond Number: 103601473
- (R649-3-1) The **NEW** operator of any state/fee well(s) listed covered by Bond Number 400JU0705
- The **FORMER** operator has requested a release of liability from their bond on: N/A

**LEASE INTEREST OWNER NOTIFICATION:**

- (R649-2-10) The **NEW** operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: 6/29/2012

**COMMENTS:**

Disposal and Injections wells will be moved when UIC 5 is received.

**STATE OF UTAH**  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

FORM 9

**SUNDRY NOTICES AND REPORTS ON WELLS**

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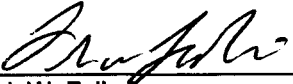
1. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER _____		5. LEASE DESIGNATION AND SERIAL NUMBER: <b>Multiple Leases</b>
2. NAME OF OPERATOR: <b>El Paso E&amp;P Company, L.P.</b> Attn: <b>Maria Gomez</b>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
3. ADDRESS OF OPERATOR: 1001 Louisiana CITY <b>Houston</b> STATE <b>TX</b> ZIP <b>77002</b>		7. UNIT or CA AGREEMENT NAME:
4. LOCATION OF WELL FOOTAGES AT SURFACE: <b>See Attached</b>		8. WELL NAME and NUMBER: <b>See Attached</b>
PHONE NUMBER: <b>(713) 997-5038</b>		9. API NUMBER:
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:		10. FIELD AND POOL, OR WILDCAT: <b>See Attached</b>
STATE: <b>UTAH</b>		

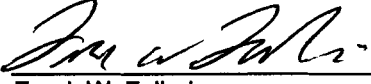
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA			
TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____  <input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> DEEPEN <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> PLUG BACK <input type="checkbox"/> PRODUCTION (START/RESUME) <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	<input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> TEMPORARILY ABANDON <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> WATER SHUT-OFF <input checked="" type="checkbox"/> OTHER: <b>Change of Name/Operator</b>

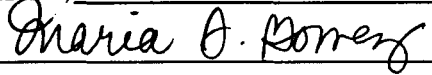
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Please be advised that El Paso E&P Company, L.P. (current Operator) has changed names to EP Energy E&P Company, L.P. (new Operator) effective June 1, 2012 and that EP Energy E&P Company, L.P. is considered the new operator of the attached well locations.

EP Energy E&P Company, L.P. is responsible under the terms and conditions of the lease(s) for the operations conducted upon leased lands. Bond coverage is provided by the State of Utah Statewide Blanket Bond No. 400JU0705, Bureau of Land Management Nationwide Bond No. 103601420, and Bureau of Indian Affairs Nationwide Bond No. 103601473.

  
Frank W. Falleri  
Vice President  
El Paso E&P Company, L.P.

  
Frank W. Falleri  
Sr. Vice President  
EP Energy E&P Company, L.P.

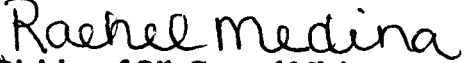
NAME (PLEASE PRINT) <u>Maria S. Gomez</u>	TITLE <u>Principal Regulatory Analyst</u>
SIGNATURE 	DATE <u>6/22/2012</u>

(This space for State use only)

RECEIVED

JUN 25 2012

DIV. OF OIL, GAS & MINING

APPROVED 6/29/2012  
  
Rachel Medina  
Division of Oil, Gas and Mining  
Earlene Russell, Engineering Technician  
Rachel Medina

(See Instructions on Reverse Side)

Well Name	Sec	TWP	RNG	API Number	Entity	Lease Type	Well Type	Well Status	Conf
DWR 3-17C6	17	030S	060W	4301350070		14204621118	OW	APD	C
LAKEWOOD ESTATES 3-33C6	33	030S	060W	4301350127		1420H621328	OW	APD	C
YOUNG 3-15A3	15	010S	030W	4301350122		FEE	OW	APD	C
WHITING 4-1A2	01	010S	020W	4301350424		Fee	OW	APD	C
EL PASO 4-34A4	34	010S	040W	4301350720		Fee	OW	APD	C
YOUNG 2-2B1	02	020S	010W	4304751180		FEE	OW	APD	C
LAKE FORK RANCH 3-10B4	10	020S	040W	4301350712	18221	Fee	OW	DRL	C
LAKE FORK RANCH 4-26B4	26	020S	040W	4301350714	18432	Fee	OW	DRL	C
LAKE FORK RANCH 4-24B4	24	020S	040W	4301350717	18315	Fee	OW	DRL	C
Cook 4-14B3	14	020S	030W	4301351162	18449	Fee	OW	DRL	C
Peterson 4-22C6	22	030S	060W	4301351163	18518	Fee	OW	DRL	C
Lake Fork Ranch 4-14B4	14	020S	040W	4301351240	99999	Fee	OW	DRL	C
Melesco 4-20C6	20	030S	060W	4301351241	99999	Fee	OW	DRL	C
Peck 3-13B5	13	020S	050W	4301351364	99999	Fee	OW	DRL	C
Jensen 2-9C4	09	030S	040W	4301351375	99999	Fee	OW	DRL	C
El Paso 3-5C4	05	030S	040W	4301351376	18563	Fee	OW	DRL	C
ULT 6-31	31	030S	020E	4304740033		FEE	OW	LA	
OBERHANSKY 2-2A1	02	010S	010W	4304740164		FEE	OW	LA	
DWR 3-15C6	15	030S	060W	4301351433		14-20-H62-4724	OW	NEW	C
Lake Fork Ranch 5-23B4	23	020S	040W	4301350739		Fee	OW	NEW	
Duchesne Land 4-10C5	10	030S	050W	4301351262		Fee	OW	NEW	C
Cabinland 4-9B3	09	020S	030W	4301351374		Fee	OW	NEW	C
Layton 4-2B3	02	020S	030W	4301351389		Fee	OW	NEW	C
Golinski 4-24B5	24	020S	050W	4301351404		Fee	OW	NEW	C
Alba 1-21C4	21	030S	040W	4301351460		Fee	OW	NEW	C
Allison 4-19C5	19	030S	050W	4301351466		Fee	OW	NEW	C
Seeley 4-3B3	03	020S	030W	4301351486		Fee	OW	NEW	C
Allen 4-25B5	25	020S	050W	4301351487		Fee	OW	NEW	C
Hewett 2-6C4	06	030S	040W	4301351489		Fee	OW	NEW	C
Young 2-7C4	07	030S	040W	4301351500		Fee	OW	NEW	C
Brighton 3-31A1E	31	010S	010E	4304752471		Fee	OW	NEW	C
Hamaker 3-25A1	25	010S	010W	4304752491		Fee	OW	NEW	C
Bolton 3-29A1E	29	010S	010E	4304752871		Fee	OW	NEW	C
HORROCKS 5-20A1	20	010S	010W	4301334280	17378	FEE	OW	OPS	C
DWR 3-19C6	19	030S	060W	4301334263	17440	14-20-462-1120	OW	P	
DWR 3-22C6	22	030S	060W	4301334106	17298	14-20-462-1131	OW	P	
DWR 3-28C6	28	030S	060W	4301334264	17360	14-20-462-1323	OW	P	
UTE 1-7A2	07	010S	020W	4301330025	5850	14-20-462-811	OW	P	
UTE 2-17C6	17	030S	060W	4301331033	10115	14-20-H62-1118	OW	P	
WLR TRIBAL 2-19C6	19	030S	060W	4301331035	10250	14-20-H62-1120	OW	P	
CEDAR RIM 10-A-15C6	15	030S	060W	4301330615	6420	14-20-H62-1128	OW	P	
CEDAR RIM 12A	28	030S	060W	4301331173	10672	14-20-H62-1323	OW	P	
UTE-FEE 2-33C6	33	030S	060W	4301331123	10365	14-20-H62-1328	OW	P	
TAYLOR 3-34C6	34	030S	060W	4301350200	17572	1420H621329	OW	P	
BAKER UTE 2-34C6	34	030S	060W	4301332634	14590	14-20-H62-1329	OW	P	
UTE 3-35Z2 K	35	010N	020W	4301331133	10483	14-20-H62-1614	OW	P	
UTE 1-32Z2	32	010N	020W	4301330379	1915	14-20-H62-1702	OW	P	
UTE TRIBAL 1-33Z2	33	010N	020W	4301330334	1851	14-20-H62-1703	OW	P	
UTE 2-33Z2	33	010N	020W	4301331111	10451	14-20-H62-1703	OW	P	
UTE TRIBAL 2-34Z2	34	010N	020W	4301331167	10668	14-20-H62-1704	OW	P	
LAKE FORK RANCH 3-13B4	13	020S	040W	4301334262	17439	14-20-H62-1743	OW	P	
UTE 1-28B4	28	020S	040W	4301330242	1796	14-20-H62-1745	OW	P	
UTE 1-34A4	34	010S	040W	4301330076	1585	14-20-H62-1774	OW	P	
UTE 1-36A4	36	010S	040W	4301330069	1580	14-20-H62-1793	OW	P	
UTE 1-1B4	01	020S	040W	4301330129	1700	14-20-H62-1798	OW	P	
UTE 1-31A2	31	010S	020W	4301330401	1925	14-20-H62-1801	OW	P	



UTE 1-25A3	25	010S	030W	4301330370	1920	14-20-H62-1802	OW	P	
UTE 2-25A3	25	010S	030W	4301331343	11361	14-20-H62-1802	OW	P	
UTE 1-26A3	26	010S	030W	4301330348	1890	14-20-H62-1803	OW	P	
UTE 2-26A3	26	010S	030W	4301331340	11349	14-20-H62-1803	OW	P	
UTE TRIBAL 4-35A3	35	010S	030W	4301350274	18009	1420H621804	OW	P	C
UTE 2-35A3	35	010S	030W	4301331292	11222	14-20-H62-1804	OW	P	
UTE 3-35A3	35	010S	030W	4301331365	11454	14-20-H62-1804	OW	P	
UTE 1-6B2	06	020S	020W	4301330349	1895	14-20-H62-1807	OW	P	
UTE 2-6B2	06	020S	020W	4301331140	11190	14-20-H62-1807	OW	P	
UTE TRIBAL 3-6B2	06	020S	020W	4301350273	18008	14-20-H62-1807	OW	P	C
POWELL 4-19A1	19	010S	010W	4301330071	8302	14-20-H62-1847	OW	P	
COLTHARP 1-27Z1	27	010N	010W	4301330151	4700	14-20-H62-1933	OW	P	
UTE 1-8A1E	08	010S	010E	4304730173	1846	14-20-H62-2147	OW	P	
UTE TRIBE 1-31	31	010N	020W	4301330278	4755	14-20-H62-2421	OW	P	
UTE 1-28B6X	28	020S	060W	4301330510	11165	14-20-H62-2492	OW	P	
RINKER 2-21B5	21	020S	050W	4301334166	17299	14-20-H62-2508	OW	P	
MURDOCK 2-34B5	34	020S	050W	4301331132	10456	14-20-H62-2511	OW	P	
UTE 1-35B6	35	020S	060W	4301330507	2335	14-20-H62-2531	OW	P	
UTE TRIBAL 1-17A1E	17	010S	010E	4304730829	860	14-20-H62-2658	OW	P	
UTE 2-17A1E	17	010S	010E	4304737831	16709	14-20-H62-2658	OW	P	
UTE TRIBAL 1-27A1E	27	010S	010E	4304730421	800	14-20-H62-2662	OW	P	
UTE TRIBAL 1-35A1E	35	010S	010E	4304730286	795	14-20-H62-2665	OW	P	
UTE TRIBAL 1-15A1E	15	010S	010E	4304730820	850	14-20-H62-2717	OW	P	
UTE TRIBAL P-3B1E	03	020S	010E	4304730190	4536	14-20-H62-2873	OW	P	
UTE TRIBAL 1-22A1E	22	010S	010E	4304730429	810	14-20-H62-3103	OW	P	
B H UTE 1-35C6	35	030S	060W	4301330419	10705	14-20-H62-3436	OW	P	
BH UTE 2-35C6	35	030S	060W	4301332790	15802	14-20-H62-3436	OW	P	
MCFARLANE 1-4D6	04	040S	060W	4301331074	10325	14-20-H62-3452	OW	P	
UTE TRIBAL 1-11D6	11	040S	060W	4301330482	6415	14-20-H62-3454	OW	P	
CARSON 2-36A1	36	010S	010W	4304731407	737	14-20-H62-3806	OW	P	
UTE 2-14C6	14	030S	060W	4301330775	9133	14-20-H62-3809	OW	P	
DWR 3-14C6	14	030S	060W	4301334003	17092	14-20-H62-3809	OW	P	
THE PERFECT "10" 1-10A1	10	010S	010W	4301330935	9461	14-20-H62-3855	OW	P	
BADGER-SAM H U MONGUS 1-15A1	15	010S	010W	4301330949	9462	14-20-H62-3860	OW	P	
MAXIMILLIAN-UTE 14-1	14	010S	030W	4301330726	8437	14-20-H62-3868	OW	P	
FRED BASSETT 1-22A1	22	010S	010W	4301330781	9460	14-20-H62-3880	OW	P	
UTE TRIBAL 1-30Z1	30	010N	010W	4301330813	9405	14-20-H62-3910	OW	P	
UTE LB 1-13A3	13	010S	030W	4301330894	9402	14-20-H62-3980	OW	P	
UTE 2-22B6	22	020S	060W	4301331444	11641	14-20-H62-4614	OW	P	
UINTA OURAY 1-1A3	01	010S	030W	4301330132	5540	14-20-H62-4664	OW	P	
UTE 1-6D6	06	040S	060W	4301331696	12058	14-20-H62-4752	OW	P	
UTE 2-11D6	11	040S	060W	4301350179	17667	1420H624801	OW	P	
UTE 1-15D6	15	040S	060W	4301330429	10958	14-20-H62-4824	OW	P	
UTE 2-15D6	15	040S	060W	4301334026	17193	14-20-H62-4824	OW	P	
HILL 3-24C6	24	030S	060W	4301350293	18020	1420H624866	OW	P	C
BARCLAY UTE 2-24C6R	24	030S	060W	4301333730	16385	14-20-H62-4866	OW	P	
BROTHERSON 1-2B4	02	020S	040W	4301330062	1570	FEE	OW	P	
BOREN 1-24A2	24	010S	020W	4301330084	5740	FEE	OW	P	
FARNSWORTH 1-13B5	13	020S	050W	4301330092	1610	FEE	OW	P	
BROADHEAD 1-21B6	21	020S	060W	4301330100	1595	FEE	OW	P	
ASAY E J 1-20A1	20	010S	010W	4301330102	8304	FEE	OW	P	
HANSON TRUST 1-5B3	05	020S	030W	4301330109	1635	FEE	OW	P	
ELLSWORTH 1-8B4	08	020S	040W	4301330112	1655	FEE	OW	P	
ELLSWORTH 1-9B4	09	020S	040W	4301330118	1660	FEE	OW	P	
ELLSWORTH 1-17B4	17	020S	040W	4301330126	1695	FEE	OW	P	
CHANDLER 1-5B4	05	020S	040W	4301330140	1685	FEE	OW	P	
HANSON 1-32A3	32	010S	030W	4301330141	1640	FEE	OW	P	
JESSEN 1-17A4	17	010S	040W	4301330173	4725	FEE	OW	P	



JENKINS 1-1B3	01	020S	030W	4301330175	1790	FEE	OW	P	
GOODRICH 1-2B3	02	020S	030W	4301330182	1765	FEE	OW	P	
ELLSWORTH 1-19B4	19	020S	040W	4301330183	1760	FEE	OW	P	
DOYLE 1-10B3	10	020S	030W	4301330187	1810	FEE	OW	P	
JOS. SMITH 1-17C5	17	030S	050W	4301330188	5510	FEE	OW	P	
RUDY 1-11B3	11	020S	030W	4301330204	1820	FEE	OW	P	
CROOK 1-6B4	06	020S	040W	4301330213	1825	FEE	OW	P	
HUNT 1-21B4	21	020S	040W	4301330214	1840	FEE	OW	P	
LAWRENCE 1-30B4	30	020S	040W	4301330220	1845	FEE	OW	P	
YOUNG 1-29B4	29	020S	040W	4301330246	1791	FEE	OW	P	
GRIFFITHS 1-33B4	33	020S	040W	4301330288	4760	FEE	OW	P	
POTTER 1-2B5	02	020S	050W	4301330293	1826	FEE	OW	P	
BROTHERSON 1-26B4	26	020S	040W	4301330336	1856	FEE	OW	P	
SADIE BLANK 1-33Z1	33	010N	010W	4301330355	765	FEE	OW	P	
POTTER 1-24B5	24	020S	050W	4301330356	1730	FEE	OW	P	
WHITEHEAD 1-22A3	22	010S	030W	4301330357	1885	FEE	OW	P	
CHASEL MILLER 2-1A2	01	010S	020W	4301330360	5830	FEE	OW	P	
ELDER 1-13B2	13	020S	020W	4301330366	1905	FEE	OW	P	
BROTHERSON 2-10B4	10	020S	040W	4301330443	1615	FEE	OW	P	
FARNSWORTH 2-7B4	07	020S	040W	4301330470	1935	FEE	OW	P	
TEW 1-15A3	15	010S	030W	4301330529	1945	FEE	OW	P	
UTE FEE 2-20C5	20	030S	050W	4301330550	4527	FEE	OW	P	
HOUSTON 1-34Z1	34	010N	010W	4301330566	885	FEE	OW	P	
GALLOWAY 1-18B1	18	020S	010W	4301330575	2365	FEE	OW	P	
SMITH 1-31B5	31	020S	050W	4301330577	1955	FEE	OW	P	
LEBEAU 1-34A1	34	010S	010W	4301330590	1440	FEE	OW	P	
LINMAR 1-19B2	19	020S	020W	4301330600	9350	FEE	OW	P	
WISSE 1-28Z1	28	010N	010W	4301330609	905	FEE	OW	P	
POWELL 1-21B1	21	020S	010W	4301330621	910	FEE	OW	P	
HANSEN 1-24B3	24	020S	030W	4301330629	2390	FEE	OW	P	
OMAN 2-4B4	04	020S	040W	4301330645	9125	FEE	OW	P	
DYE 1-25Z2	25	010N	020W	4301330659	9111	FEE	OW	P	
H MARTIN 1-21Z1	21	010N	010W	4301330707	925	FEE	OW	P	
JENSEN 1-29Z1	29	010N	010W	4301330725	9110	FEE	OW	P	
CHASEL 2-17A1 V	17	010S	010W	4301330732	9112	FEE	OW	P	
BIRCHELL 1-27A1	27	010S	010W	4301330758	940	FEE	OW	P	
CHRISTENSEN 2-8B3	08	020S	030W	4301330780	9355	FEE	OW	P	
LAMICQ 2-5B2	05	020S	020W	4301330784	2302	FEE	OW	P	
BROTHERSON 2-14B4	14	020S	040W	4301330815	10450	FEE	OW	P	
MURRAY 3-2A2	02	010S	020W	4301330816	9620	FEE	OW	P	
HORROCKS 2-20A1 V	20	010S	010W	4301330833	8301	FEE	OW	P	
BROTHERSON 2-2B4	02	020S	040W	4301330855	8420	FEE	OW	P	
ELLSWORTH 2-8B4	08	020S	040W	4301330898	2418	FEE	OW	P	
OMAN 2-32A4	32	010S	040W	4301330904	10045	FEE	OW	P	
BELCHER 2-33B4	33	020S	040W	4301330907	9865	FEE	OW	P	
BROTHERSON 2-35B5	35	020S	050W	4301330908	9404	FEE	OW	P	
HORROCKS 2-4A1 T	04	010S	010W	4301330954	9855	FEE	OW	P	
JENSEN 2-29A5	29	010S	050W	4301330974	10040	FEE	OW	P	
UTE 2-34A4	34	010S	040W	4301330978	10070	FEE	OW	P	
CHANDLER 2-5B4	05	020S	040W	4301331000	10075	FEE	OW	P	
BABCOCK 2-12B4	12	020S	040W	4301331005	10215	FEE	OW	P	
BADGER MR BOOM BOOM 2-29A1	29	010S	010W	4301331013	9463	FEE	OW	P	
BLEAZARD 2-18B4	18	020S	040W	4301331025	1566	FEE	OW	P	
BROADHEAD 2-32B5	32	020S	050W	4301331036	10216	FEE	OW	P	
ELLSWORTH 2-16B4	16	020S	040W	4301331046	10217	FEE	OW	P	
RUST 3-4B3	04	020S	030W	4301331070	1576	FEE	OW	P	
HANSON TRUST 2-32A3	32	010S	030W	4301331072	1641	FEE	OW	P	
BROTHERSON 2-11B4	11	020S	040W	4301331078	1541	FEE	OW	P	

HANSON TRUST 2-5B3	05	020S	030W	4301331079	1636	FEE	OW	P	
BROTHERSON 2-15B4	15	020S	040W	4301331103	1771	FEE	OW	P	
MONSEN 2-27A3	27	010S	030W	4301331104	1746	FEE	OW	P	
ELLSWORTH 2-19B4	19	020S	040W	4301331105	1761	FEE	OW	P	
HUNT 2-21B4	21	020S	040W	4301331114	1839	FEE	OW	P	
JENKINS 2-1B3	01	020S	030W	4301331117	1792	FEE	OW	P	
POTTER 2-24B5	24	020S	050W	4301331118	1731	FEE	OW	P	
POWELL 2-13A2 K	13	010S	020W	4301331120	8306	FEE	OW	P	
JENKINS 2-12B3	12	020S	030W	4301331121	10459	FEE	OW	P	
MURDOCK 2-26B5	26	020S	050W	4301331124	1531	FEE	OW	P	
BIRCH 3-27B5	27	020S	050W	4301331126	1783	FEE	OW	P	
ROBB 2-29B5	29	020S	050W	4301331130	10454	FEE	OW	P	
LAKE FORK 2-13B4	13	020S	040W	4301331134	10452	FEE	OW	P	
DUNCAN 3-1A2 K	01	010S	020W	4301331135	10484	FEE	OW	P	
HANSON 2-9B3	09	020S	030W	4301331136	10455	FEE	OW	P	
ELLSWORTH 2-9B4	09	020S	040W	4301331138	10460	FEE	OW	P	
UTE 2-31A2	31	010S	020W	4301331139	10458	FEE	OW	P	
POWELL 2-19A1 K	19	010S	010W	4301331149	8303	FEE	OW	P	
CEDAR RIM 8-A	22	030S	060W	4301331171	10666	FEE	OW	P	
POTTER 2-6B4	06	020S	040W	4301331249	11038	FEE	OW	P	
MILES 2-1B5	01	020S	050W	4301331257	11062	FEE	OW	P	
MILES 2-3B3	03	020S	030W	4301331261	11102	FEE	OW	P	
MONSEN 2-22A3	22	010S	030W	4301331265	11098	FEE	OW	P	
WRIGHT 2-13B5	13	020S	050W	4301331267	11115	FEE	OW	P	
TODD 2-21A3	21	010S	030W	4301331296	11268	FEE	OW	P	
WEIKART 2-29B4	29	020S	040W	4301331298	11332	FEE	OW	P	
YOUNG 2-15A3	15	010S	030W	4301331301	11344	FEE	OW	P	
CHRISTENSEN 2-29A4	29	010S	040W	4301331303	11235	FEE	OW	P	
BLEAZARD 2-28B4	28	020S	040W	4301331304	11433	FEE	OW	P	
REARY 2-17A3	17	010S	030W	4301331318	11251	FEE	OW	P	
LAZY K 2-11B3	11	020S	030W	4301331352	11362	FEE	OW	P	
LAZY K 2-14B3	14	020S	030W	4301331354	11452	FEE	OW	P	
MATTHEWS 2-13B2	13	020S	020W	4301331357	11374	FEE	OW	P	
LAKE FORK 3-15B4	15	020S	040W	4301331358	11378	FEE	OW	P	
STEVENSON 3-29A3	29	010S	030W	4301331376	11442	FEE	OW	P	
MEEKS 3-8B3	08	020S	030W	4301331377	11489	FEE	OW	P	
ELLSWORTH 3-20B4	20	020S	040W	4301331389	11488	FEE	OW	P	
DUNCAN 5-13A2	13	010S	020W	4301331516	11776	FEE	OW	P	
OWL 3-17C5	17	030S	050W	4301332112	12476	FEE	OW	P	
BROTHERSON 2-24 B4	24	020S	040W	4301332695	14652	FEE	OW	P	
BODRERO 2-15B3	15	020S	030W	4301332755	14750	FEE	OW	P	
BROTHERSON 2-25B4	25	020S	040W	4301332791	15044	FEE	OW	P	
CABINLAND 2-16B3	16	020S	030W	4301332914	15236	FEE	OW	P	
KATHERINE 3-29B4	29	020S	040W	4301332923	15331	FEE	OW	P	
SHRINERS 2-10C5	10	030S	050W	4301333008	15908	FEE	OW	P	
BROTHERSON 2-26B4	26	020S	040W	4301333139	17047	FEE	OW	P	
MORTENSEN 4-32A2	32	010S	020W	4301333211	15720	FEE	OW	P	
FERRARINI 3-27B4	27	020S	040W	4301333265	15883	FEE	OW	P	
RHOADES 2-25B5	25	020S	050W	4301333467	16046	FEE	OW	P	
CASE 2-31B4	31	020S	040W	4301333548	16225	FEE	OW	P	
ANDERSON-ROWLEY 2-24B3	24	020S	030W	4301333616	16284	FEE	OW	P	
SPROUSE BOWDEN 2-18B1	18	020S	010W	4301333808	16677	FEE	OW	P	
BROTHERSON 3-11B4	11	020S	040W	4301333904	16891	FEE	OW	P	
KOFFORD 2-36B5	36	020S	050W	4301333988	17048	FEE	OW	P	
ALLEN 3-7B4	07	020S	040W	4301334027	17166	FEE	OW	P	
BOURNAKIS 3-18B4	18	020S	040W	4301334091	17264	FEE	OW	P	
MILES 3-12B5	12	020S	050W	4301334110	17316	FEE	OW	P	
OWL and HAWK 2-31B5	31	020S	050W	4301334123	17388	FEE	OW	P	

OWL and HAWK 4-17C5	17	030S	050W	4301334193	17387	FEE	OW	P	
DWR 3-32B5	32	020S	050W	4301334207	17371	FEE	OW	P	
LAKE FORK RANCH 3-22B4	22	020S	040W	4301334261	17409	FEE	OW	P	
HANSON 3-9B3	09	020S	030W	4301350065	17570	FEE	OW	P	
DYE 2-28A1	28	010S	010W	4301350066	17531	FEE	OW	P	
MEEKS 3-32A4	32	010S	040W	4301350069	17605	FEE	OW	P	
HANSON 4-8B3	08	020S	030W	4301350088	17571	FEE	OW	P	C
LAKE FORK RANCH 3-14B4	14	020S	040W	4301350097	17484	FEE	OW	P	
ALLEN 3-9B4	09	020S	040W	4301350123	17656	FEE	OW	P	
HORROCKS 4-20A1	20	010S	010W	4301350155	17916	FEE	OW	P	
HURLEY 2-33A1	33	010S	010W	4301350166	17573	FEE	OW	P	
HUTCHINS/CHIODO 3-20C5	20	030S	050W	4301350190	17541	FEE	OW	P	
ALLEN 3-8B4	08	020S	040W	4301350192	17622	FEE	OW	P	
OWL and HAWK 3-10C5	10	030S	050W	4301350193	17532	FEE	OW	P	
OWL and HAWK 3-19C5	19	030S	050W	4301350201	17508	FEE	OW	P	
EL PASO 4-29B5	29	020S	050W	4301350208	17934	FEE	OW	P	C
DONIHUE 3-20C6	20	030S	060W	4301350270	17762	FEE	OW	P	
HANSON 3-5B3	05	020S	030W	4301350275	17725	FEE	OW	P	C
SPRATT 3-26B5	26	020S	050W	4301350302	17668	FEE	OW	P	
REBEL 3-35B5	35	020S	050W	4301350388	17911	FEE	OW	P	C
FREEMAN 4-16B4	16	020S	040W	4301350438	17935	Fee	OW	P	C
WILSON 3-36B5	36	020S	050W	4301350439	17936	Fee	OW	P	C
EL PASO 3-21B4	21	020S	040W	4301350474	18123	Fee	OW	P	C
IORG 4-12B3	12	020S	030W	4301350487	17981	Fee	OW	P	C
CONOVER 3-3B3	03	020S	030W	4301350526	18122	Fee	OW	P	C
ROWLEY 3-16B4	16	020S	040W	4301350569	18151	Fee	OW	P	C
POTTS 3-14B3	14	020S	030W	4301350570	18366	Fee	OW	P	C
POTTER 4-27B5	27	020S	050W	4301350571	99999	Fee	OW	P	C
EL PASO 4-21B4	21	020S	040W	4301350572	18152	Fee	OW	P	C
LAKE FORK RANCH 3-26B4	26	020S	040W	4301350707	18270	Fee	OW	P	C
LAKE FORK RANCH 3-25B4	25	020S	040W	4301350711	18220	Fee	OW	P	C
LAKE FORK RANCH 4-23B4	23	020S	040W	4301350713	18271	Fee	OW	P	C
LAKE FORK RANCH 4-15B4	15	020S	040W	4301350715	18314	Fee	OW	P	C
LAKE FORK RANCH 3-24B4	24	020S	040W	4301350716	18269	Fee	OW	P	C
GOLINSKI 1-8C4	08	030S	040W	4301350986	18301	Fee	OW	P	C
J ROBERTSON 1-1B1	01	020S	010W	4304730174	5370	FEE	OW	P	
TIMOTHY 1-8B1E	08	020S	010E	4304730215	1910	FEE	OW	P	
MAGDALENE PAPADOPULOS 1-34A1E	34	010S	010E	4304730241	785	FEE	OW	P	
NELSON 1-31A1E	31	010S	010E	4304730671	830	FEE	OW	P	
ROSEMARY LLOYD 1-24A1E	24	010S	010E	4304730707	840	FEE	OW	P	
H D LANDY 1-30A1E	30	010S	010E	4304730790	845	FEE	OW	P	
WALKER 1-14A1E	14	010S	010E	4304730805	855	FEE	OW	P	
BOLTON 2-29A1E	29	010S	010E	4304731112	900	FEE	OW	P	
PRESCOTT 1-35Z1	35	010N	010W	4304731173	1425	FEE	OW	P	
BISEL GURR 11-1	11	010S	010W	4304731213	8438	FEE	OW	P	
UTE TRIBAL 2-22A1E	22	010S	010E	4304731265	915	FEE	OW	P	
L. BOLTON 1-12A1	12	010S	010W	4304731295	920	FEE	OW	P	
FOWLES 1-26A1	26	010S	010W	4304731296	930	FEE	OW	P	
BRADLEY 23-1	23	010S	010W	4304731297	8435	FEE	OW	P	
BASTIAN 1-2A1	02	010S	010W	4304731373	736	FEE	OW	P	
D R LONG 2-19A1E	19	010S	010E	4304731470	9505	FEE	OW	P	
D MOON 1-23Z1	23	010N	010W	4304731479	10310	FEE	OW	P	
O MOON 2-26Z1	26	010N	010W	4304731480	10135	FEE	OW	P	
LILA D 2-25A1	25	010S	010W	4304731797	10790	FEE	OW	P	
LANDY 2-30A1E	30	010S	010E	4304731895	11127	FEE	OW	P	
WINN P2-3B1E	03	020S	010E	4304732321	11428	FEE	OW	P	
BISEL-GURR 2-11A1	11	010S	010W	4304735410	14428	FEE	OW	P	
FLYING J FEE 2-12A1	12	010S	010W	4304739467	16686	FEE	OW	P	

HARVEST FELLOWSHIP CHURCH 2-14B1	14	020S	010W	4304739591	16546	FEE	OW	P	
OBERHANSKY 3-11A1	11	010S	010W	4304739679	17937	FEE	OW	P	
DUNCAN 2-34A1	34	010S	010W	4304739944	17043	FEE	OW	P	
BISEL GURR 4-11A1	11	010S	010W	4304739961	16791	FEE	OW	P	
KILLIAN 3-12A1	12	010S	010W	4304740226	17761	ML 39760	OW	P	
WAINOCO ST 1-14B1	14	020S	010W	4304730818	1420	ML-24306-A	OW	P	
UTAH ST UTE 1-35A1	35	010S	010W	4304730182	5520	ML-25432	OW	P	
STATE 1-19A4	19	010S	040W	4301330322	9118	ML-27912	OW	P	
FEDERAL 2-28E19E	28	050S	190E	4304732849	12117	UTU-0143512	OW	P	
FEDERAL 1-28E19E	28	050S	190E	4304730175	5680	UTU143512	OW	P	
BLANCHARD 1-3A2	03	010S	020W	4301320316	5877	FEE	OW	PA	
W H BLANCHARD 2-3A2	03	010S	020W	4301330008	5775	FEE	OW	PA	
YACK U 1-7A1	07	010S	010W	4301330018	5795	FEE	OW	PA	
JAMES POWELL 3	13	010S	020W	4301330024	8305	FEE	WD	PA	
BASTIAN 1 (3-7D)	07	010S	010W	4301330026	5800	FEE	OW	PA	
LAMICQ-URRUTY 1-8A2	08	010S	020W	4301330036	5975	FEE	OW	PA	
BLEAZARD 1-18B4	18	020S	040W	4301330059	11262	FEE	OW	PA	
OLSEN 1-27A4	27	010S	040W	4301330064	1565	FEE	OW	PA	
EVANS 1-31A4	31	010S	040W	4301330067	5330	FEE	OW	PA	
HAMBLIN 1-26A2	26	010S	020W	4301330083	2305	FEE	OW	PA	
HARTMAN 1-31A3	31	010S	030W	4301330093	10700	FEE	OW	PA	
FARNSWORTH 1-7B4	07	020S	040W	4301330097	5725	FEE	OW	PA	
POWELL 1-33A3	33	010S	030W	4301330105	4526	FEE	OW	PA	
LOTRIDGE GATES 1-3B3	03	020S	030W	4301330117	1625	FEE	OW	PA	
REMINGTON 1-34A3	34	010S	030W	4301330139	1670	FEE	OW	PA	
ANDERSON 1-28A2	28	010S	020W	4301330150	5895	FEE	OW	PA	
RHOADES MOON 1-35B5	35	020S	050W	4301330155	5270	FEE	OW	PA	
JOHN 1-3B2	03	020S	020W	4301330160	5765	FEE	OW	PA	
SMITH 1-6C5	06	030S	050W	4301330163	5385	FEE	OW	PA	
HORROCKS FEE 1-3A1	03	010S	010W	4301330171	5505	FEE	OW	PA	
WARREN 1-32A4	32	010S	040W	4301330174	9139	FEE	OW	PA	
JENSEN FENZEL 1-20C5	20	030S	050W	4301330177	4730	FEE	OW	PA	
MYRIN RANCH 1-13B4	13	020S	040W	4301330180	4524	FEE	OW	PA	
BROTHERSON 1-27B4	27	020S	040W	4301330185	1775	FEE	OW	PA	
JENSEN 1-31A5	31	010S	050W	4301330186	4735	FEE	OW	PA	
ROBERTSON 1-29A2	29	010S	020W	4301330189	4740	FEE	OW	PA	
WINKLER 1-28A3	28	010S	030W	4301330191	5465	FEE	OW	PA	
CHENEY 1-33A2	33	010S	020W	4301330202	1750	FEE	OW	PA	
J LAMICQ STATE 1-6B1	06	020S	010W	4301330210	5730	FEE	OW	PA	
REESE ESTATE 1-10B2	10	020S	020W	4301330215	5700	FEE	OW	PA	
REEDER 1-17B5	17	020S	050W	4301330218	5460	FEE	OW	PA	
ROBERTSON UTE 1-2B2	02	020S	020W	4301330225	1710	FEE	OW	PA	
HATCH 1-5B1	05	020S	010W	4301330226	5470	FEE	OW	PA	
BROTHERSON 1-22B4	22	020S	040W	4301330227	5935	FEE	OW	PA	
ALLRED 1-16A3	16	010S	030W	4301330232	1780	FEE	OW	PA	
BIRCH 1-35A5	35	010S	050W	4301330233	9116	FEE	OW	PA	
MARQUERITE UTE 1-8B2	08	020S	020W	4301330235	9122	FEE	OW	PA	
BUZZI 1-11B2	11	020S	020W	4301330248	6335	FEE	OW	PA	
SHISLER 1-3B1	03	020S	010W	4301330249	5960	FEE	OW	PA	
TEW 1-1B5	01	020S	050W	4301330264	5580	FEE	OW	PA	
EVANS UTE 1-19B3	19	020S	030W	4301330265	1870	FEE	OW	PA	
SHELL 2-27A4	27	010S	040W	4301330266	1776	FEE	WD	PA	
DYE 1-29A1	29	010S	010W	4301330271	99990	FEE	OW	PA	
VODA UTE 1-4C5	04	030S	050W	4301330283	4530	FEE	OW	PA	
BROTHERSON 1-28A4	28	010S	040W	4301330292	9114	FEE	OW	PA	
MEAGHER 1-4B2	04	020S	020W	4301330313	8402	FEE	OW	PA	
NORLING 1-9B1	09	020S	010W	4301330315	1811	FEE	OW	PA	
S. BROADHEAD 1-9C5	09	030S	050W	4301330316	5940	FEE	OW	PA	

TIMOTHY 1-09A3	09	010S	030W	4301330321	10883	FEE	OW	PA
BARRETT 1-34A5	34	010S	050W	4301330323	9115	FEE	OW	PA
MEAGHER TRIBAL 1-9B2	09	020S	020W	4301330325	9121	FEE	OW	PA
PHILLIPS UTE 1-3C5	03	030S	050W	4301330333	1816	FEE	OW	PA
ELLSWORTH 1-20B4	20	020S	040W	4301330351	6375	FEE	OW	PA
LAWSON 1-28A1	28	010S	010W	4301330358	5915	FEE	OW	PA
AMES 1-23A4	23	010S	040W	4301330375	1901	FEE	OW	PA
HORROCKS 1-6A1	06	010S	010W	4301330390	5675	FEE	OW	PA
SHRINE HOSPITAL 1-10C5	10	030S	050W	4301330393	5565	FEE	OW	PA
GOODRICH 1-18B2	18	020S	020W	4301330397	5485	FEE	OW	PA
SWD POWELL 3	13	010S	020W	4301330478	10708	FEE	WD	PA
BODRERO 1-15B3	15	020S	030W	4301330565	4534	FEE	OW	PA
MOON TRIBAL 1-30C4	30	030S	040W	4301330576	2360	FEE	OW	PA
DUNCAN 2-9B5	09	020S	050W	4301330719	5440	FEE	OW	PA
FISHER 1-16A4	16	010S	040W	4301330737	2410	FEE	OW	PA
URRUTY 2-34A2	34	010S	020W	4301330753	9117	FEE	OW	PA
GOODRICH 1-24A4	24	010S	040W	4301330760	2415	FEE	OW	PA
CARL SMITH 2-25A4	25	010S	040W	4301330776	9136	FEE	OW	PA
ANDERSON 1-A30B1	30	020S	010W	4301330783	9137	FEE	OW	PA
CADILLAC 3-6A1	06	010S	010W	4301330834	6316	FEE	OW	PA
MCELPRANG 2-31A1	31	010S	010W	4301330836	8439	FEE	OW	PA
REESE ESTATE 2-10B2	10	020S	020W	4301330837	2417	FEE	OW	PA
CLARK 2-9A3	09	010S	030W	4301330876	2416	FEE	OW	PA
JENKINS 3-16A3	16	010S	030W	4301330877	9790	FEE	OW	PA
CHRISTENSEN 2-26A5	26	010S	050W	4301330905	10710	FEE	OW	PA
FORD 2-36A5	36	010S	050W	4301330911	9630	FEE	OW	PA
MORTENSEN 2-32A2	32	010S	020W	4301330929	9486	FEE	OW	PA
WILKERSON 1-20Z1	20	010N	010W	4301330942	5452	FEE	OW	PA
UTE TRIBAL 2-4A3 S	04	010S	030W	4301330950	10230	FEE	OW	PA
OBERHANSKY 2-31Z1	31	010N	010W	4301330970	9262	FEE	OW	PA
MORRIS 2-7A3	07	010S	030W	4301330977	9725	FEE	OW	PA
POWELL 2-08A3	08	010S	030W	4301330979	10175	FEE	OW	PA
FISHER 2-6A3	06	010S	030W	4301330984	10110	FEE	OW	PA
JACOBSEN 2-12A4	12	010S	040W	4301330985	10480	FEE	OW	PA
CHENEY 2-33A2	33	010S	020W	4301331042	10313	FEE	OW	PA
HANSON TRUST 2-29A3	29	010S	030W	4301331043	5306	FEE	OW	PA
BURTON 2-15B5	15	020S	050W	4301331044	10205	FEE	OW	PA
EVANS-UTE 2-17B3	17	020S	030W	4301331056	10210	FEE	OW	PA
ELLSWORTH 2-20B4	20	020S	040W	4301331090	5336	FEE	OW	PA
REMINGTON 2-34A3	34	010S	030W	4301331091	1902	FEE	OW	PA
WINKLER 2-28A3	28	010S	030W	4301331109	4519	FEE	OW	PA
TEW 2-10B5	10	020S	050W	4301331125	1751	FEE	OW	PA
LINDSAY 2-33A4	33	010S	040W	4301331141	1756	FEE	OW	PA
FIELDSTED 2-28A4	28	010S	040W	4301331293	10665	FEE	OW	PA
POWELL 4-13A2	13	010S	020W	4301331336	11177	FEE	GW	PA
DUMP 2-20A3	20	010S	030W	4301331505	11691	FEE	OW	PA
SMITH 2X-23C7	23	030S	070W	4301331634	12382	FEE	D	PA
MORTENSEN 3-32A2	32	010S	020W	4301331872	11928	FEE	OW	PA
TODD USA ST 1-2B1	02	020S	010W	4304730167	99998	FEE	OW	PA
STATE 1-7B1E	07	020S	010E	4304730180	5555	FEE	OW	PA
BACON 1-10B1E	10	020S	010E	4304730881	5550	FEE	OW	PA
PARIETTE DRAW 28-44	28	040S	010E	4304731408	4537	FEE	OW	PA
REYNOLDS 2-7B1E	07	020S	010E	4304731840	4960	FEE	OW	PA
STATE 2-35A2	35	010S	020W	4301330156	4715	ML-22874	OW	PA
UTAH STATE L B 1-11B1	11	020S	010W	4304730171	5530	ML-23655	OW	PA
STATE 1-8A3	08	010S	030W	4301330286	5655	ML-24316	OW	PA
UTAH FEDERAL 1-24B1	24	020S	010W	4304730220	590	ML-26079	OW	PA
CEDAR RIM 15	34	030S	060W	4301330383	6395	14-20-462-1329	OW	S

UTE TRIBAL 2-24C7	24	030S	070W	4301331028	10240	14-20-H62-1135	OW	S	
CEDAR RIM 12	28	030S	060W	4301330344	6370	14-20-H62-1323	OW	S	
CEDAR RIM 16	33	030S	060W	4301330363	6390	14-20-H62-1328	OW	S	
SPRING HOLLOW 2-34Z3	34	010N	030W	4301330234	5255	14-20-H62-1480	OW	S	
EVANS UTE 1-17B3	17	020S	030W	4301330274	5335	14-20-H62-1733	OW	S	
UTE JENKS 2-1-B4 G	01	020S	040W	4301331197	10844	14-20-H62-1782	OW	S	
UTE 3-12B3	12	020S	030W	4301331379	11490	14-20-H62-1810	OW	S	
UTE TRIBAL 9-4B1	04	020S	010W	4301330194	5715	14-20-H62-1969	OW	S	
UTE TRIBAL 2-21B6	21	020S	060W	4301331424	11615	14-20-H62-2489	OW	S	
UTE 1-33B6	33	020S	060W	4301330441	1230	14-20-H62-2493	OW	S	
UTE 2-22B5	22	020S	050W	4301331122	10453	14-20-H62-2509	OW	S	
UTE 1-18B1E	18	020S	010E	4304730969	9135	14-20-H62-2864	OW	S	
LAUREN UTE 1-23A3	23	010S	030W	4301330895	9403	14-20-H62-3981	OW	S	
UTE 2-28B6	28	020S	060W	4301331434	11624	14-20-H62-4622	OW	S	
UTE 1-27B6X	27	020S	060W	4301330517	11166	14-20-H62-4631	OW	S	
UTE 2-27B6	27	020S	060W	4301331449	11660	14-20-H62-4631	OW	S	
CEDAR RIM 10-15C6	15	030S	060W	4301330328	6365	14-20-H62-4724	OW	S	
UTE 5-30A2	30	010S	020W	4301330169	5910	14-20-H62-4863	OW	S	
UTE TRIBAL G-1 (1-24C6)	24	030S	060W	4301330298	4533	14-20-H62-4866	OW	S	
UTE TRIBAL FEDERAL 1-30C5	30	030S	050W	4301330475	665	14-20-H62-4876	OW	S	
SMB 1-10A2	10	010S	020W	4301330012	5865	FEE	OW	S	
KENDALL 1-12A2	12	010S	020W	4301330013	5875	FEE	OW	S	
CEDAR RIM 2	20	030S	060W	4301330019	6315	FEE	OW	S	
URRUTY 2-9A2	09	010S	020W	4301330046	5855	FEE	OW	S	
BROTHERSON 1-14B4	14	020S	040W	4301330051	1535	FEE	OW	S	
RUST 1-4B3	04	020S	030W	4301330063	1575	FEE	OW	S	
MONSEN 1-21A3	21	010S	030W	4301330082	1590	FEE	OW	S	
BROTHERSON 1-10B4	10	020S	040W	4301330110	1614	FEE	OW	S	
FARNSWORTH 1-12B5	12	020S	050W	4301330124	1645	FEE	OW	S	
ELLSWORTH 1-16B4	16	020S	040W	4301330192	1735	FEE	OW	S	
MARSHALL 1-20A3	20	010S	030W	4301330193	9340	FEE	OW	S	
CHRISTMAN BLAND 1-31B4	31	020S	040W	4301330198	4745	FEE	OW	S	
ROPER 1-14B3	14	020S	030W	4301330217	1850	FEE	OW	S	
BROTHERSON 1-24B4	24	020S	040W	4301330229	1865	FEE	OW	S	
BROTHERSON 1-33A4	33	010S	040W	4301330272	1680	FEE	OW	S	
BROTHERSON 1-23B4	23	020S	040W	4301330483	8423	FEE	OW	S	
SMITH ALBERT 2-8C5	08	030S	050W	4301330543	5495	FEE	OW	S	
VODA JOSEPHINE 2-19C5	19	030S	050W	4301330553	5650	FEE	OW	S	
HANSEN 1-16B3	16	020S	030W	4301330617	9124	FEE	OW	S	
BROTHERSON 1-25B4	25	020S	040W	4301330668	9126	FEE	OW	S	
POWELL 2-33A3	33	010S	030W	4301330704	2400	FEE	OW	S	
BROWN 2-28B5	28	020S	050W	4301330718	9131	FEE	OW	S	
EULA-UTE 1-16A1	16	010S	010W	4301330782	8443	FEE	OW	S	
JESSEN 1-15A4	15	010S	040W	4301330817	9345	FEE	OW	S	
R HOUSTON 1-22Z1	22	010N	010W	4301330884	936	FEE	OW	S	
FIELDSTED 2-27A4	27	010S	040W	4301330915	9632	FEE	OW	S	
HANSKUTT 2-23B5	23	020S	050W	4301330917	9600	FEE	OW	S	
TIMOTHY 3-18A3	18	010S	030W	4301330940	9633	FEE	OW	S	
BROTHERSON 2-3B4	03	020S	040W	4301331008	10165	FEE	OW	S	
BROTHERSON 2-22B4	22	020S	040W	4301331086	1782	FEE	OW	S	
MILES 2-35A4	35	010S	040W	4301331087	1966	FEE	OW	S	
ELLSWORTH 2-17B4	17	020S	040W	4301331089	1696	FEE	OW	S	
RUST 2-36A4	36	010S	040W	4301331092	1577	FEE	OW	S	
EVANS 2-19B3	19	020S	030W	4301331113	1777	FEE	OW	S	
FARNSWORTH 2-12B5	12	020S	050W	4301331115	1646	FEE	OW	S	
CHRISTENSEN 3-4B4	04	020S	040W	4301331142	10481	FEE	OW	S	
ROBERTSON 2-29A2	29	010S	020W	4301331150	10679	FEE	OW	S	
CEDAR RIM 2A	20	030S	060W	4301331172	10671	FEE	OW	S	

HARTMAN 2-31A3	31	010S	030W	4301331243	11026	FEE	OW	S	
GOODRICH 2-2B3	02	020S	030W	4301331246	11037	FEE	OW	S	
JESSEN 2-21A4	21	010S	040W	4301331256	11061	FEE	OW	S	
BROTHERSON 3-23B4	23	020S	040W	4301331289	11141	FEE	OW	S	
MYRIN RANCH 2-18B3	18	020S	030W	4301331297	11475	FEE	OW	S	
BROTHERSON 2-2B5	02	020S	050W	4301331302	11342	FEE	OW	S	
DASTRUP 2-30A3	30	010S	030W	4301331320	11253	FEE	OW	S	
YOUNG 2-30B4	30	020S	040W	4301331366	11453	FEE	OW	S	
IORG 2-10B3	10	020S	030W	4301331388	11482	FEE	OW	S	
MONSEN 3-27A3	27	010S	030W	4301331401	11686	FEE	OW	S	
HORROCKS 2-5B1E	05	020S	010E	4304732409	11481	FEE	OW	S	
LARSEN 1-25A1	25	010S	010W	4304730552	815	FEE	OW	TA	
DRY GULCH 1-36A1	36	010S	010W	4304730569	820	FEE	OW	TA	